Exploring Geology 2nd Edition Reynolds Test Bank

Full Download: https://alibabadownload.com/product/exploring-geology-2nd-edition-reynolds-test-bank/

c1

Student:_____

- 1. Which of the following was talked about in the opening two-page spread of Chapter 1?
 - A. oil beneath the Arctic National Wildlife Reserve
 - B. the scenery of Glacier National Park
 - C. earthquakes along the San Andres fault
 - D. oil beneath the Gulf Coast of the United States
- 2. Which of the following is probably least at risk for geologic hazards?
 - A. next to a river in low areas
 - B. near an active fault
 - C. on soils that gently expand when wet
 - D. on gentle slopes away from mountains
 - E. close to, but upwind of, an active volcano

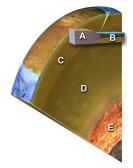
3. Which potential geologic hazard is NOT represented by a feature on this figure?



- A. an earthquake
- B. a volcano
- C. contaminated groundwater
- D. a landslide
- E. flood-prone areas
- 4. Which of the following geologic aspects influence our lives based on the photograph showing horses and cows on a grassy field?
 - A. the presence of mountains, which influence the formation of clouds and precipitation
 - B. the steepness of slopes
 - C. the availability of water
 - D. all of these
- 5. The distribution of natural resources is influenced by the:
 - A. type of rocks
 - B. age of the rocks
 - C. way in which the rocks formed
 - D. all of these

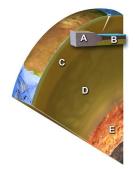
- 6. Which of the following factors was most important in controlling the distribution of copper mines in the western U.S. versus iron mines in the Great Lakes region?
 - A. the amount of precipitation (rain and snow)
 - B. the time of year when precipitation occurs
 - C. different ages and geologic histories of the rocks
 - D. the latitude (distance south or north from the equator)
- 7. Geology can help us learn about Earth's past by studying:
 - A. why continents have different regions
 - B. why a landscape looks the way it does
 - C. how life in the past was different than today
 - D. how global climate has changed since the ice ages
 - E. all of these
- 8. Which of the following is NOT a way geology informs us about Earth's past?
 - A. how the first second of the universe differed from a second today
 - B. why continents have different regions today
 - C. why a landscape looks the way it does today
 - D. how life in the past was different than today
 - E. how past global climate was different than today

- 9. The main layers of the Earth in correct order, from the surface moving down, is:
 - A. upper crust, outer core, inner core, mantle
 - B. outer core, inner core, upper mantle, lower crust
 - C. crust, mantle, outer core, inner core
 - D. upper mantle, lower mantle, inner core, crust
- 10. Which of the following Earth layers is the thinnest?
 - A. oceanic crust
 - B. upper mantle
 - C. lower mantle
 - D. outer core
 - E. inner core
- 11. Which layer on this figure is the upper mantle?

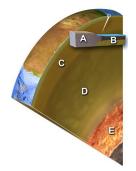


- A. A
- B. B
- C. C
- D. D
- E. E

12. Which layer on this figure is the continental crust?



- A. A
- B. B
- C. C
- D. D
- E. E
- 13. Which layer on this figure is the oceanic crust?



- A. A
- B. B
- C. C
- D. D
- E. E

14. Which layer in the earth is similar to the composition of granite?

- A. continental crust
- B. oceanic crust
- C. upper mantle
- D. lower mantle
- E. core
- 15. Which layer in the earth is similar in composition to basalt, a dark lava rock?
 - A. continental crust
 - B. oceanic crust
 - C. upper mantle
 - D. lower mantle
 - E. core
- 16. Which layer in the earth is similar to the green mineral olivine?
 - A. continental crust
 - B. oceanic crust
 - C. mantle
 - D. core

17. Which layer in the earth is similar in composition to an iron-nickel meteorite?

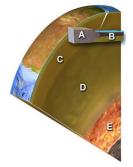
- A. continental crust
- B. oceanic crust
- C. upper mantle
- D. lower mantle
- E. core
- 18. Which of the following is NOT a possible reason for why a region is higher in elevation than adjacent regions?
 - A. the lithosphere is hotter
 - B. it has continental crust, but adjacent regions have oceanic crust
 - C. the crust is thicker
 - D. the crust is more dense
- 19. What is the most likely reason why a region is higher than adjacent regions?
 - A. there is a hot spot beneath it
 - B. the crust is thicker
 - C. it is underlain by oceanic crust
 - D. the asthenosphere is hotter
 - E. the crust is hotter

- 20. Which of the following is the best description of what the lithosphere contains?
 - A. continental and oceanic crust
 - B. both types of crust and the uppermost mantle
 - C. weak part of the upper mantle
 - D. upper and lower mantle
 - E. lower mantle and outer core
- 21. Which of the following Earth layers is the thickest?
 - A. continental crust
 - B. oceanic crust
 - C. mantle
 - D. outer core
- 22. The principle of isostasy refers to:
 - A. the difference in the strength of the mantle versus the crust
 - B. the relationship between regional elevations and thickness of crust
 - C. how the outer core differs from the inner core
 - D. how the upper mantle differs from the lower mantle

23. Which of the following is NOT an important difference between continents and oceans?

- A. thickness of the crust
- B. composition of the crust
- C. density of the crust
- D. whether it is part of the lithosphere
- E. elevation
- 24. Which of the following combinations would result in the highest regional elevations?
 - A. thin, dense crust
 - B. thick, dense crust
 - C. thin, less dense crust
 - D. thick, less dense crust

25. Which layer on this figure is the outer core?



- A. A
- В. В
- C. C
- D. D
- E. E

26. Compared to oceanic crust, continental crust is:

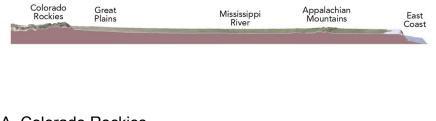
- A. thinner
- B. more dense
- C. lighter in color
- D. all of these
- 27. The main difference between the lithosphere and the asthenosphere is the:
 - A. asthenosphere is less rigid
 - B. asthenosphere flows less easily
 - C. asthenosphere is cooler
 - D. asthenosphere has more oceanic crust
 - E. asthenosphere has more continental crust
- 28. Based on this topographic profile across the central United States, which region probably has the thickest crust?

| Colorado Rockies | Great Plains | Mississippi River | Appalachian Mountains | East Coast |
|---------------------|-----------------|----------------------|--------------------------|---------------|
| | | | | |

- A. Colorado Rockies
- B. Great Plains
- C. Mississippi River
- D. Appalachian Mountains
- E. East Coast

29. Based on this topographic profile across the central United States, which region probably has

neither the thinnest nor thickest crust?



- A. Colorado Rockies
- B. Mississippi River
- C. East Coast
- 30. Based on this topographic profile across the central United States, which region probably has the

| thinnest cru | ist? | | | |
|---------------------|-----------------|----------------------|--------------------------|---------------|
| Colorado Rockies | Great Plains | Mississippi River | Appalachian Mountains | East Coast |
| | | | | |

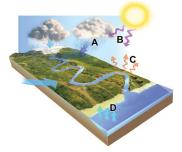
- A. Colorado Rockies
- B. Great Plains
- C. Mississippi River
- D. Appalachian Mountains
- E. East Coast
- 31. Which of the following is true about processes that affect Earth?
 - A. Atmospheric pressure is less at sea level than in high mountains.
 - B. Forces decrease downward within Earth.
 - C. Forces are imposed on deep rocks from all directions.
 - D. All heat inside Earth comes from magma.
 - E. None of these.

32. Which of the following is true about gravity?

- A. Gravity of the Sun and Moon exert a pull on Earth.
- B. The mass of the Earth causes a downward pull on objects on Earth.
- C. Gravity causes ice, water, and rocks to move downhill.
- D. All of these.

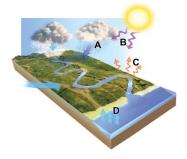
33. Which of the following is true about forces and energy imposed on Earth from space?

- A. Internal processes within the Moon produce light during the night.
- B. Sun's electromagnetic energy is all blocked by Earth's protective atmosphere.
- C. Our massive Sun is the only object that exerts a gravitational pull on Earth.
- D. All of these.
- E. None of these.
- 34. Which arrows in this figure indicates infrared energy, which has been converted from ultraviolet energy?

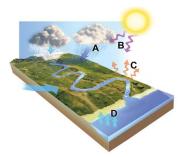


- A. A
- В. В
- C. C
- D. D

35. Which arrows in this figure indicates evaporation?



- A. A
- В. В
- C. C
- D. D
- 36. Which arrows in this figure indicates ultraviolet energy, an external energy source?



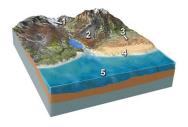
- A. A
- В. В
- C. C
- D. D

- 37. Which of the following are ways that the atmosphere interacts with Earth's surface?
 - A. Liquid water on the surface can evaporate, becoming water vapor in the atmosphere.
 - B. The atmosphere includes a low percentage of water vapor, most of which comes from the oceans.
 - C. Earth's atmosphere blocks most of the Sun's harmful ultraviolet radiation.
 - D. Some energy that strikes the earth is converted into infrared energy.
 - E. All of these.
- 38. Which of the following locations would contain a wide variety of sediment, from large angular blocks to fine rock powder, produced from grinding of the rocks?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor

39. Which of the following locations would contain large, angular rocks that broke away from bedrock and moved downhill?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor
- 40. Which of the following locations would contain sand, rounded stones, and broken shells?

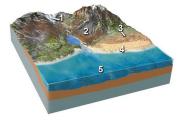


- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor

41. Which of the following locations would contain mud and the remains of small creatures?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor
- 42. Which of the following locations would most likely contain large, angular rocks?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. locations 1 and 2
- E. locations 2 and 3

43. Which of the following locations would most likely contain a high percentage of sand?



- A. location 2, along a steep mountain front
- B. location 3, in sand dunes
- C. location 4, along a beach
- D. locations 2 and 3
- E. locations 3 and 4
- 44. Which of the following surface environments is the most likely site for deposits in this photograph?



- A. steep mountain front
- B. river channel
- C. sand dunes
- D. beach
- E. lake

45. Which of the following surface environments is the most likely site for deposits in this

photograph?



- A. steep mountain front
- B. glacier
- C. sand dunes
- D. beach
- E. lake
- 46. What type of rock would the materials shown in this photograph produce?

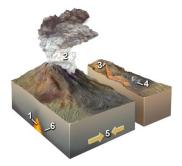


- A. sedimentary
- B. igneous
- C. metamorphic
- D. hydrothermal

47. Which of the following locations would form an igneous rock?



- A. locations 1 and 2
- B. locations 2 and 3
- C. locations 3 and 4
- D. locations 1, 2, and 3
- E. locations 5 and 6
- 48. Which of the following locations would form a metamorphic rock?



- A. locations 1 and 2
- B. locations 2 and 3
- C. locations 3 and 4
- D. locations 1, 2, and 3
- E. locations 5 and 6

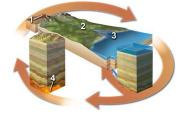
49. Which of the following locations would form a hydrothermal rock?



- A. location 1
- B. location 2
- C. location 3
- D. location 4
- E. locations 2 and 3
- 50. Which of the following is NOT a typical environment in which a metamorphic rock forms?
 - A. solidification of lava
 - B. heating adjacent to underground magma
 - C. squeezing by tectonic forces
 - D. burial to great depths
- 51. Which of the following is NOT one of the main families of rocks?
 - A. sedimentary
 - B. igneous
 - C. metamorphic
 - D. meteorites

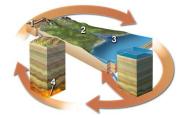
52. Which of the following is NOT a typical environment in which a sedimentary rock forms?

- A. beside glaciers
- B. river channels
- C. heating next to a magma
- D. deep seafloor
- E. shoreline of a lake
- 53. Which of the following is NOT an environment in which an igneous rock forms?
 - A. explosive eruption of volcanic ash
 - B. cooling and solidification of lava
 - C. solidification of magma at depth
 - D. intense squeezing from tectonic forces
 - E. all of these are environments that form igneous rock
- 54. Which of the following locations would have weathering of bedrock or loose sediment?



- A. location 1
- B. location 2
- C. location 3
- D. location 4
- E. locations 1 and 2

55. Which of the following best indicates a location where sediment is transported?

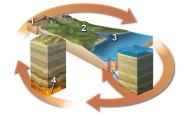


- A. location 1
- B. location 2
- C. location 3
- D. location 4
- 56. Which of the following best indicates a location where sediment is deposited but not eroded?



- A. location 1
- B. location 2
- C. location 3
- D. location 4

57. Which of the following settings would result in the formation of igneous rocks?



- A. location 1
- B. location 2
- C. location 3
- D. location 4
- 58. Which of the following does NOT list processes in an order consistent with a logical progression through the rock cycle?
 - A. weathering, erosion, deposition
 - B. solidification, melting, burial
 - C. erosion, deposition, burial
 - D. uplift, weathering, erosion
 - E. burial, metamorphism, melting
- 59. According to the rock cycle, sediment that is being transported by a river could become a metamorphic rock after:
 - A. uplift and weathering
 - B. melting and solidification
 - C. deposition and burial
 - D. solidification and uplift

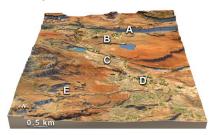
- 60. Uplift can occur during the rock cycle:
 - A. only after deformation and metamorphism
 - B. only after melting and solidification
 - C. only after metamorphism or solidification
 - D. at any point after burial
- 61. Which of the following is NOT true about how water moves on our planet?
 - A. Rainfall can coat rocks and soil with a thin film of water, helping them to weather.
 - B. Moving water and its sediment can erode into solid rock, sculpting Earth's surface.
 - C. Groundwater typically rises towards higher areas where it emerges as springs.
 - D. Wind causes waves in the oceans and helps guide ocean currents.
 - E. Glaciers can transport sediment and carve the underlying landscape.
- 62. Of Earth's four overlapping spheres, which of the following does NOT involve material above Earth's surface?
 - A. atmosphere
 - B. lithosphere
 - C. biosphere
 - D. hydrosphere

- 63. Of Earth's four overlapping spheres, which of the following is (are) mostly between the lithosphere and atmosphere?
 - A. atmosphere
 - B. lithosphere
 - C. biosphere
 - D. hydrosphere
 - E. both the biosphere and hydrosphere
- 64. Compared to the outer planets in our solar system, the inner planets are:
 - A. larger
 - B. contain more gas
 - C. rocky and so are called terrestrial planets
 - D. have better developed planetary rings
 - E. none of these
- 65. The largest object in the solar system is:
 - A. Earth
 - B. the Earth's Moon
 - C. Saturn
 - D. Jupiter
 - E. the Sun

66. Which of the following is considered to be one of the outer planets?

- A. Mars
- B. Jupiter
- C. Venus
- D. Moon
- E. none of these
- 67. Which of the following is a way that geology influences Rapid City and areas of the Black Hills, either presently or in the past?
 - A. flooding along creeks that drain the Black Hills
 - B. tilted rock layers that control the steepness of slopes
 - C. tourism from presidents' faces chiseled into granite
 - D. large gold deposits
 - E. all of these
- 68. The main cause of the Rapid City flood of 1972 was:
 - A. rapid melting of glaciers in the Black Hills because of global warming
 - B. failure of a dam because of a large landslide into the reservoir
 - C. poor design and poor construction of a large concrete dam
 - D. intense rainfall from a thunderstorm that resulted in a flash flood
 - E. all of these

- 69. Which of the following geologic hazards was NOT discussed for the area around St. George, Utah?
 - A. volcanic eruptions
 - B. earthquakes from a fault along the Hurricane cliffs
 - C. flooding from the main river
 - D. flash flooding from the mountains
 - E. all of these were discussed
- 70. Which of the features labeled on the accompanying figure was discussed as a possible source of earthquakes?



- A. the cliff at A
- B. the volcano at B
- C. pumping of the oil field at C
- D. shaking during large floods at D
- E. landslides off the mountains at E

71. Which of the following geologic resources was discussed for the area around St. George, Utah?

- A. oil field
- B. floodplains with fertile soils
- C. a large cement plant
- D. all of these
- E. a and b only
- 72. A dry climate might impact how people live by increasing:
 - A. the risk of drought and other water shortages
 - B. irrigation needs
 - C. the likelihood of volcanic activity
 - D. the likelihood of earthquakes
 - E. both a and b
- 73. Choose appropriate way(s) that steep cliffs might impact people living nearby:
 - A. easy to build houses on steep cliffs
 - B. favorable location for livestock grazing
 - C. decreases area available to grow crops
 - D. increases landslide hazard
 - E. both c and d

- 74. Rainfall in mountain ranges might impact people living nearby by:
 - A. increasing erosion in mountains
 - B. increasing flooding hazards
 - C. increasing mudslide hazards
 - D. water flowing into streams and rivers, increasing water supply
 - E. all of these
- 75. Choose appropriate way(s) that hot springs might impact people living nearby:
 - A. provides geothermal power
 - B. enables easy transportation of goods
 - C. increases likelihood of earthquakes
 - D. provides a recreational outlet
 - E. both a and d
- 76. Choose appropriate way(s) that volcanoes might impact people living nearby:
 - A. Releases steam and noxious gases into the atmosphere.
 - B. Volcanic ash provides fertile sediment for growing crops.
 - C. Ash ejected into the atmosphere blocks sunlight.
 - D. Projectiles thrown into the air can hit your house.
 - E. All of these impact people living nearby.

- 77. Choose appropriate way(s) that an oil field might impact people living nearby:
 - A. increasing job opportunities
 - B. improving the local economy
 - C. increasing likelihood of volcanic eruptions
 - D. increasing likelihood of an oil spill
 - E. a, b, and d only

c1 Key

- 1. Which of the following was talked about in the opening two-page spread of Chapter 1?
 - A. oil beneath the Arctic National Wildlife Reserve
 - B. the scenery of Glacier National Park
 - C. earthquakes along the San Andres fault
 - D. oil beneath the Gulf Coast of the United States

Availability to Students: None Difficulty Level: Remember/Understano Reynolds - Chapter 01 #1 Section: 1.0 Topic: Nature of Geology

- 2. Which of the following is probably least at risk for geologic hazards?
 - A. next to a river in low areas
 - B. near an active fault
 - C. on soils that gently expand when wet
 - D. on gentle slopes away from mountains
 - E. close to, but upwind of, an active volcano

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #2 Section: 1.1 Topic: Nature of Geology 3. Which potential geologic hazard is NOT represented by a feature on this figure?



- A. an earthquake
- B. a volcano
- C. contaminated groundwater
- D. a landslide
- E. flood-prone areas

Availability to Students: Blackboard Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #3 Section: 1.1 Topic: Nature of Geology

- 4. Which of the following geologic aspects influence our lives based on the photograph showing horses and cows on a grassy field?
 - A. the presence of mountains, which influence the formation of clouds and precipitation
 - B. the steepness of slopes
 - C. the availability of water
 - D. all of these

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understana Reynolds - Chapter 01 #4 Section: 1.1 Topic: Nature of Geology 5. The distribution of natural resources is influenced by the:

- A. type of rocks
- B. age of the rocks
- C. way in which the rocks formed
- D. all of these

Availability to Students: Classroom Response System Difficulty Level: Remember/Understana Reynolds - Chapter 01 #5 Section: 1.1 Topic: Nature of Geology

- 6. Which of the following factors was most important in controlling the distribution of copper mines in the western U.S. versus iron mines in the Great Lakes region?
 - A. the amount of precipitation (rain and snow)
 - B. the time of year when precipitation occurs
 - C. different ages and geologic histories of the rocks
 - D. the latitude (distance south or north from the equator)

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #6 Section: 1.1 Topic: Nature of Geology

- 7. Geology can help us learn about Earth's past by studying:
 - A. why continents have different regions
 - B. why a landscape looks the way it does
 - C. how life in the past was different than today
 - D. how global climate has changed since the ice ages
 - E. all of these

Availability to Students: None Difficulty Level: Remember/Understano Reynolds - Chapter 01 #7 Section: 1.2 Topic: Nature of Geology

- 8. Which of the following is NOT a way geology informs us about Earth's past?
 - A. how the first second of the universe differed from a second today
 - B. why continents have different regions today
 - C. why a landscape looks the way it does today
 - D. how life in the past was different than today
 - E. how past global climate was different than today

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #8 Section: 1.2 Topic: Nature of Geology

- 9. The main layers of the Earth in correct order, from the surface moving down, is:
 - A. upper crust, outer core, inner core, mantle
 - B. outer core, inner core, upper mantle, lower crust
 - C. crust, mantle, outer core, inner core
 - D. upper mantle, lower mantle, inner core, crust

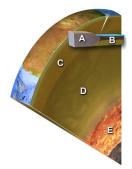
Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #9 Section: 1.3 Topic: Nature of Geology

10. Which of the following Earth layers is the thinnest?

A. oceanic crust

- B. upper mantle
- C. lower mantle
- D. outer core
- E. inner core

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #10 Section: 1.3 Topic: Nature of Geology 11. Which layer on this figure is the upper mantle?

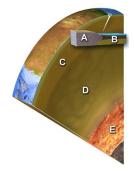


Α. Α

B. **B**

- <u>C.</u> C
- D. D
- E. **E**

Availability to Students: Blackboard Quiz Difficulty Level: Remember/Understand Reynolds - Chapter 01 #11 Section: 1.3 Topic: Nature of Geology 12. Which layer on this figure is the continental crust?

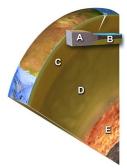


<u>A.</u> A

B. **B**

- C. C
- D. **D**
- E. **E**

Availability to Students: Classroom Response System Difficulty Level: Remember/Understana Reynolds - Chapter 01 #12 Section: 1.3 Topic: Nature of Geology 13. Which layer on this figure is the oceanic crust?



Α. Α

<u>В.</u>В

- C. C
- D. D
- E. **E**

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #13 Section: 1.3 Topic: Nature of Geology

- 14. Which layer in the earth is similar to the composition of granite?
 - $\underline{A.}$ continental crust
 - B. oceanic crust
 - C. upper mantle
 - D. lower mantle
 - E. core

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #14 Section: 1.3 Topic: Nature of Geology

- 15. Which layer in the earth is similar in composition to basalt, a dark lava rock?
 - A. continental crust
 - B. oceanic crust
 - C. upper mantle
 - D. lower mantle
 - E . core

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #15 Section: 1.3 Topic: Nature of Geology

- 16. Which layer in the earth is similar to the green mineral olivine?
 - A. continental crust
 - B. oceanic crust
 - C. mantle
 - D. core

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #16 Section: 1.3 Topic: Nature of Geology

- 17. Which layer in the earth is similar in composition to an iron-nickel meteorite?
 - A. continental crust
 - B. oceanic crust
 - C. upper mantle
 - D. lower mantle
 - E. core

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #17 Section: 1.3 Topic: Nature of Geology

- 18. Which of the following is NOT a possible reason for why a region is higher in elevation than adjacent regions?
 - A. the lithosphere is hotter
 - B. it has continental crust, but adjacent regions have oceanic crust
 - C. the crust is thicker
 - D. the crust is more dense

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #18 Section: 1.3 Topic: Nature of Geology

- 19. What is the most likely reason why a region is higher than adjacent regions?
 - A. there is a hot spot beneath it
 - B. the crust is thicker
 - C. it is underlain by oceanic crust
 - D. the asthenosphere is hotter
 - E. the crust is hotter

Availability to Students: Blackboard Quiz Difficulty Level: Remember/Understana Reynolds - Chapter 01 #19 Section: 1.3 Topic: Nature of Geology

- 20. Which of the following is the best description of what the lithosphere contains?
 - A. continental and oceanic crust
 - B. both types of crust and the uppermost mantle
 - C. weak part of the upper mantle
 - D. upper and lower mantle
 - E. lower mantle and outer core

Availability to Students: Blackboard Quiz Difficulty Level: Remember/Understana Reynolds - Chapter 01 #20 Section: 1.3 Topic: Nature of Geology

- A. continental crust
- B. oceanic crust
- C. mantle
- D. outer core

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #21 Section: 1.3 Topic: Nature of Geology

- 22. The principle of isostasy refers to:
 - A. the difference in the strength of the mantle versus the crust
 - B. the relationship between regional elevations and thickness of crust
 - C. how the outer core differs from the inner core
 - D. how the upper mantle differs from the lower mantle

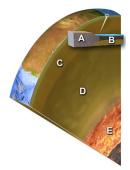
Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understana Reynolds - Chapter 01 #22 Section: 1.3 Topic: Nature of Geology

- 23. Which of the following is NOT an important difference between continents and oceans?
 - A. thickness of the crust
 - B. composition of the crust
 - C. density of the crust
 - D. whether it is part of the lithosphere
 - E. elevation

Availability to Students: None Difficulty Level: Remember/Understano Reynolds - Chapter 01 #23 Section: 1.3 Topic: Nature of Geology

- 24. Which of the following combinations would result in the highest regional elevations?
 - A. thin, dense crust
 - B. thick, dense crust
 - C. thin, less dense crust
 - D. thick, less dense crust

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #24 Section: 1.3 Topic: Nature of Geology 25. Which layer on this figure is the outer core?



Α. Α

B. **B**

- C. C
- D. D
- <u>E.</u> E

Availability to Students: Classroom Response System Difficulty Level: Remember/Understana Reynolds - Chapter 01 #25 Section: 1.3 Topic: Nature of Geology

26. Compared to oceanic crust, continental crust is:

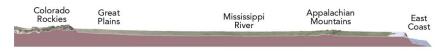
- A. thinner
- B. more dense
- $\underline{\mathbf{C.}}$ lighter in color
- D. all of these

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #26 Section: 1.3 Topic: Nature of Geology

- 27. The main difference between the lithosphere and the asthenosphere is the:
 - A. asthenosphere is less rigid
 - B. asthenosphere flows less easily
 - C. asthenosphere is cooler
 - D. asthenosphere has more oceanic crust
 - E. asthenosphere has more continental crust

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #27 Section: 1.3 Topic: Nature of Geology

28. Based on this topographic profile across the central United States, which region probably has the thickest crust?



- A. Colorado Rockies
- B. Great Plains
- C. Mississippi River
- D. Appalachian Mountains
- E. East Coast

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #28 Section: 1.3 Topic: Nature of Geology 29. Based on this topographic profile across the central United States, which region probably has neither the thinnest nor thickest crust?



Availability to Students: Classroom Response System Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #29 Section: 1.3 Topic: Nature of Geology

30. Based on this topographic profile across the central United States, which region probably has the thinnest crust?

| Colorado | Great | Mississippi | Appalachian | East |
|----------|--------|-------------|-------------|-------|
| Rockies | Plains | River | Mountains | Coast |
| | | | | |

- A. Colorado Rockies
- B. Great Plains
- C. Mississippi River
- D. Appalachian Mountains
- E. East Coast

Availability to Students: Online Practice Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #30 Section: 1.3 Topic: Nature of Geology

- 31. Which of the following is true about processes that affect Earth?
 - A. Atmospheric pressure is less at sea level than in high mountains.
 - B. Forces decrease downward within Earth.
 - C. Forces are imposed on deep rocks from all directions.
 - D. All heat inside Earth comes from magma.
 - E. None of these.

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #31 Section: 1.4 Topic: Nature of Geology

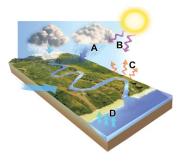
- 32. Which of the following is true about gravity?
 - A. Gravity of the Sun and Moon exert a pull on Earth.
 - B. The mass of the Earth causes a downward pull on objects on Earth.
 - C. Gravity causes ice, water, and rocks to move downhill.
 - D. All of these.

Availability to Students: Blackboard Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #32 Section: 1.4 Topic: Nature of Geology

- A. Internal processes within the Moon produce light during the night.
- B. Sun's electromagnetic energy is all blocked by Earth's protective atmosphere.
- C. Our massive Sun is the only object that exerts a gravitational pull on Earth.
- D. All of these.
- E. None of these.

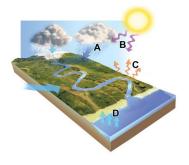
Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #33 Section: 1.4 Topic: Nature of Geology

34. Which arrows in this figure indicates infrared energy, which has been converted from ultraviolet energy?



- Α. Α
- B. **B**
- <u>C.</u> C
- D. D

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #34 Section: 1.4 Topic: Nature of Geology 35. Which arrows in this figure indicates evaporation?



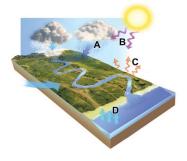
Α. Α

B. **B**

- C. C
- **D.** D

Availability to Students: Classroom Response System Difficulty Level: Remember/Understano Reynolds - Chapter 01 #35 Section: 1.4 Topic: Nature of Geology

36. Which arrows in this figure indicates ultraviolet energy, an external energy source?



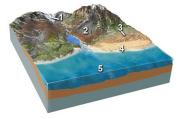
- Α. Α
- <u>**В.</u> В</u>**
- C. C
- D. **D**

Availability to Students: None Difficulty Level: Remember/Understano Reynolds - Chapter 01 #36

- 37. Which of the following are ways that the atmosphere interacts with Earth's surface?
 - A. Liquid water on the surface can evaporate, becoming water vapor in the atmosphere.
 - B. The atmosphere includes a low percentage of water vapor, most of which comes from the oceans.
 - C. Earth's atmosphere blocks most of the Sun's harmful ultraviolet radiation.
 - D. Some energy that strikes the earth is converted into infrared energy.
 - E. All of these.

Availability to Students: Classroom Response System Difficulty Level: Remember/Understana Reynolds - Chapter 01 #37 Section: 1.4 Topic: Nature of Geology

38. Which of the following locations would contain a wide variety of sediment, from large angular blocks to fine rock powder, produced from grinding of the rocks?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor

Availability to Students: Online Practice Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #38 39. Which of the following locations would contain large, angular rocks that broke away from bedrock and moved downhill?



- A. location 1, along the margins of a glacier
- **B.** location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #39 Section: 1.5 Topic: Nature of Geology 40. Which of the following locations would contain sand, rounded stones, and broken shells?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #40 Section: 1.5 Topic: Nature of Geology

41. Which of the following locations would contain mud and the remains of small creatures?



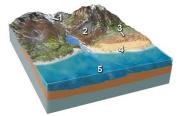
- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. location 4, along a beach
- E. location 5, on relatively deep seafloor

Availability to Students: Classroom Response System Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #41 42. Which of the following locations would most likely contain large, angular rocks?



- A. location 1, along the margins of a glacier
- B. location 2, along a steep mountain front
- C. location 3, in sand dunes
- D. locations 1 and 2
- E. locations 2 and 3

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #42 Section: 1.5 Topic: Nature of Geology 43. Which of the following locations would most likely contain a high percentage of sand?



- A. location 2, along a steep mountain front
- B. location 3, in sand dunes
- C. location 4, along a beach
- D. locations 2 and 3
- E. locations 3 and 4

Availability to Students: Classroom Response System Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #43 Section: 1.5 Topic: Nature of Geology

44. Which of the following surface environments is the most likely site for deposits in this photograph?



- A. steep mountain front
- B. river channel
- C. sand dunes
- D. beach
- E. lake

45. Which of the following surface environments is the most likely site for deposits in this photograph?



- A. steep mountain front
- B. glacier
- C. sand dunes
- D. beach
- E. lake

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #45 Section: 1.5 Topic: Nature of Geology 46. What type of rock would the materials shown in this photograph produce?



A. sedimentary

- B. igneous
- C. metamorphic
- D. hydrothermal

Availability to Students: Blackboard Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #46 Section: 1.5 Topic: Nature of Geology

47. Which of the following locations would form an igneous rock?



- A. locations 1 and 2
- B. locations 2 and 3
- C. locations 3 and 4
- D. locations 1, 2, and 3
- E. locations 5 and 6

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #47 48. Which of the following locations would form a metamorphic rock?



- A. locations 1 and 2
- B. locations 2 and 3
- C. locations 3 and 4
- D. locations 1, 2, and 3
- E. locations 5 and 6

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #48 Section: 1.5 Topic: Nature of Geology 49. Which of the following locations would form a hydrothermal rock?



- A. location 1
- B. location 2
- C. location 3
- D. location 4
- E. locations 2 and 3

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #49 Section: 1.5 Topic: Nature of Geology

50. Which of the following is NOT a typical environment in which a metamorphic rock forms?

A. solidification of lava

- B. heating adjacent to underground magma
- C. squeezing by tectonic forces
- D. burial to great depths

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #50 Section: 1.5 Topic: Nature of Geology 51. Which of the following is NOT one of the main families of rocks?

- A. sedimentary
- B. igneous
- C. metamorphic
- D. meteorites

Availability to Students: None Difficulty Level: Remember/Understano Reynolds - Chapter 01 #51 Section: 1.5 Topic: Nature of Geology

52. Which of the following is NOT a typical environment in which a sedimentary rock forms?

- A. beside glaciers
- B. river channels
- C. heating next to a magma
- D. deep seafloor
- E. shoreline of a lake

Availability to Students: None Difficulty Level: Remember/Understano Reynolds - Chapter 01 #52 Section: 1.5 Topic: Nature of Geology

- 53. Which of the following is NOT an environment in which an igneous rock forms?
 - A. explosive eruption of volcanic ash
 - B. cooling and solidification of lava
 - C. solidification of magma at depth
 - D. intense squeezing from tectonic forces
 - E. all of these are environments that form igneous rock

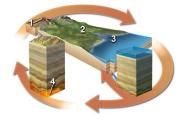
Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #53 Section: 1.5 Topic: Nature of Geology

54. Which of the following locations would have weathering of bedrock or loose sediment?



- A. location 1
- B. location 2
- C. location 3
- D. location 4
- E. locations 1 and 2

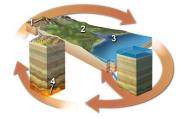
Availability to Students: None Difficulty Level: Remember/Understand Reynolds - Chapter 01 #54 Section: 1.6 Topic: Nature of Geology 55. Which of the following best indicates a location where sediment is transported?



- A. location 1
- B. location 2
- C. location 3
- D. location 4

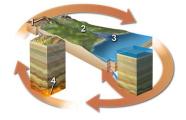
Availability to Students: Blackboard Quiz Difficulty Level: Remember/Understana Reynolds - Chapter 01 #55 Section: 1.6 Topic: Nature of Geology

56. Which of the following best indicates a location where sediment is deposited but not eroded?



- A. location 1
- B. location 2
- C. location 3
- D. location 4

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #56 Section: 1.6 Topic: Nature of Geology 57. Which of the following settings would result in the formation of igneous rocks?



- A. location 1
- B. location 2
- C. location 3
- D. location 4

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #57 Section: 1.6 Topic: Nature of Geology

- 58. Which of the following does NOT list processes in an order consistent with a logical progression through the rock cycle?
 - A. weathering, erosion, deposition
 - B. solidification, melting, burial
 - C. erosion, deposition, burial
 - D. uplift, weathering, erosion
 - E. burial, metamorphism, melting

Availability to Students: Classroom Response System Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #58 Section: 1.6 Topic: Nature of Geology

- 59. According to the rock cycle, sediment that is being transported by a river could become a metamorphic rock after:
 - A. uplift and weathering
 - B. melting and solidification
 - C. deposition and burial
 - D. solidification and uplift

Availability to Students: None Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #59 Section: 1.6 Topic: Nature of Geology

- 60. Uplift can occur during the rock cycle:
 - A. only after deformation and metamorphism
 - B. only after melting and solidification
 - C. only after metamorphism or solidification
 - D. at any point after burial

Availability to Students: Blackboard Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #60 Section: 1.6 Topic: Nature of Geology

- A. Rainfall can coat rocks and soil with a thin film of water, helping them to weather.
- B. Moving water and its sediment can erode into solid rock, sculpting Earth's surface.
- C. Groundwater typically rises towards higher areas where it emerges as springs.
- D. Wind causes waves in the oceans and helps guide ocean currents.
- E. Glaciers can transport sediment and carve the underlying landscape.

Availability to Students: Blackboard Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #61 Section: 1.7 Topic: Nature of Geology

- 62. Of Earth's four overlapping spheres, which of the following does NOT involve material above Earth's surface?
 - A. atmosphere

B. lithosphere

- C. biosphere
- D. hydrosphere

Availability to Students: Online Practice Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #62 Section: 1.7 Topic: Nature of Geology

- 63. Of Earth's four overlapping spheres, which of the following is (are) mostly between the lithosphere and atmosphere?
 - A. atmosphere
 - B. lithosphere
 - C. biosphere
 - D. hydrosphere
 - E. both the biosphere and hydrosphere

Availability to Students: Online Practice Quiz Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #63 Section: 1.7 Topic: Nature of Geology

- 64. Compared to the outer planets in our solar system, the inner planets are:
 - A. larger

B. contain more gas

- C. rocky and so are called terrestrial planets
- D. have better developed planetary rings
- E. none of these

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #64 Section: 1.8 Topic: Nature of Geology 65. The largest object in the solar system is:

- A. Earth
- B. the Earth's Moon
- C. Saturn
- D. Jupiter
- E. the Sun

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #65 Section: 1.8 Topic: Nature of Geology

- 66. Which of the following is considered to be one of the outer planets?
 - A. Mars
 - **B.** Jupiter
 - C. Venus
 - D. Moon
 - $\mathsf{E}.$ none of these

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #66 Section: 1.8 Topic: Nature of Geology

- 67. Which of the following is a way that geology influences Rapid City and areas of the Black Hills, either presently or in the past?
 - A. flooding along creeks that drain the Black Hills
 - B. tilted rock layers that control the steepness of slopes
 - C. tourism from presidents' faces chiseled into granite
 - D. large gold deposits
 - E. all of these

Availability to Students: Online Practice Quiz Difficulty Level: Remember/Understano Reynolds - Chapter 01 #67 Section: 1.9 Topic: Nature of Geology

- 68. The main cause of the Rapid City flood of 1972 was:
 - A. rapid melting of glaciers in the Black Hills because of global warming
 - B. failure of a dam because of a large landslide into the reservoir
 - C. poor design and poor construction of a large concrete dam
 - D. intense rainfall from a thunderstorm that resulted in a flash flood
 - E. all of these

Availability to Students: None Difficulty Level: Remember/Understana Reynolds - Chapter 01 #68 Section: 1.9 Topic: Nature of Geology

- 69. Which of the following geologic hazards was NOT discussed for the area around St. George, Utah?
 - A. volcanic eruptions
 - B. earthquakes from a fault along the Hurricane cliffs
 - C. flooding from the main river
 - D. flash flooding from the mountains
 - E. all of these were discussed

Availability to Students: Online Investigation Difficulty Level: Remember/Understana Reynolds - Chapter 01 #69 Section: 1.10 Topic: Nature of Geology

70. Which of the features labeled on the accompanying figure was discussed as a possible source of earthquakes?



- A. the cliff at A
- B. the volcano at B
- C. pumping of the oil field at C
- D. shaking during large floods at D
- E. landslides off the mountains at E

Availability to Students: Online Investigation Difficulty Level: Remember/Understana Reynolds - Chapter 01 #70 Section: 1.10 Topic: Nature of Geology

- 71. Which of the following geologic resources was discussed for the area around St. George, Utah?
 - A. oil field
 - B. floodplains with fertile soils
 - C. a large cement plant
 - D. all of these
 - E. a and b only

Availability to Students: Online Investigation Difficulty Level: Remember/Understano Reynolds - Chapter 01 #71 Section: 1.10 Topic: Nature of Geology

- 72. A dry climate might impact how people live by increasing:
 - A. the risk of drought and other water shortages
 - B. irrigation needs
 - C. the likelihood of volcanic activity
 - D. the likelihood of earthquakes
 - E. both a and b

Availability to Students: Online Investigation Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #72 Section: 1.10 Topic: Nature of Geology

- 73. Choose appropriate way(s) that steep cliffs might impact people living nearby:
 - A. easy to build houses on steep cliffs
 - B. favorable location for livestock grazing
 - C. decreases area available to grow crops
 - D. increases landslide hazard
 - E. both c and d

Availability to Students: Online Investigation Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #73 Section: 1.10 Topic: Nature of Geology

- 74. Rainfall in mountain ranges might impact people living nearby by:
 - A. increasing erosion in mountains
 - B. increasing flooding hazards
 - C. increasing mudslide hazards
 - D. water flowing into streams and rivers, increasing water supply
 - E. all of these

Availability to Students: Online Investigation Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #74 Section: 1.10 Topic: Nature of Geology

- 75. Choose appropriate way(s) that hot springs might impact people living nearby:
 - A. provides geothermal power
 - B. enables easy transportation of goods
 - C. increases likelihood of earthquakes
 - D. provides a recreational outlet
 - E. both a and d

Availability to Students: Online Investigation Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #75 Section: 1.10 Topic: Nature of Geology

- 76. Choose appropriate way(s) that volcanoes might impact people living nearby:
 - A. Releases steam and noxious gases into the atmosphere.
 - B. Volcanic ash provides fertile sediment for growing crops.
 - C. Ash ejected into the atmosphere blocks sunlight.
 - D. Projectiles thrown into the air can hit your house.
 - E. All of these impact people living nearby.

Availability to Students: Online Investigation Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #76 Section: 1.10 Topic: Nature of Geology

- 77. Choose appropriate way(s) that an oil field might impact people living nearby:
 - A. increasing job opportunities
 - B. improving the local economy
 - C. increasing likelihood of volcanic eruptions
 - D. increasing likelihood of an oil spill
 - E. a, b, and d only

Availability to Students: Online Investigation Difficulty Level: Apply/Analyze Reynolds - Chapter 01 #77 Section: 6.15 Topic: Volcanoes

Exploring Geology 2nd Edition Reynolds Test Bank

Full Download: https://alibabadownload.com/product/exploring-geology-2nd-edition-reynolds-test-bank/

c1 Summary

| Category | # of Questions |
|-----------------------------------------------------|----------------|
| Availability to Students: Blackboard Quiz | 10 |
| Availability to Students: Classroom Response System | 9 |
| Availability to Students: None | 37 |
| Availability to Students: Online Investigation | 9 |
| Availability to Students: Online Practice Quiz | 12 |
| Difficulty Level: Apply/Analyze | 28 |
| Difficulty Level: Remember/Understand | 49 |
| Reynolds - Chapter 01 | 77 |
| Section: 1.0 | 1 |
| Section: 1.1 | 5 |
| Section: 1.10 | 8 |
| Section: 1.2 | 2 |
| Section: 1.3 | 22 |
| Section: 1.4 | 7 |
| Section: 1.5 | 16 |
| Section: 1.6 | 7 |
| Section: 1.7 | 3 |
| Section: 1.8 | 3 |
| Section: 1.9 | 2 |
| Section: 6.15 | 1 |
| Topic: Nature of Geology | 76 |
| Topic: Volcanoes | 1 |