

***Technology In Action, Complete, 10e (Evans et al.)***  
**Chapter 1 Using Technology to Change the World**

1) Being \_\_\_\_\_ means being familiar enough with computers that you understand their capabilities and limitations.

- A) computer savvy
- B) technology literate
- C) computer literate
- D) computer competent

Answer: C

Diff: 1

Section Ref: Technology at Home

2) Unwanted or junk e-mail is called \_\_\_\_\_.

- A) spam
- B) spyware
- C) adware
- D) software

Answer: A

Diff: 1

Section Ref: Technology at Home

3) \_\_\_\_\_ diseases account for about 1/5 of all deaths worldwide, and technology is used to increase the pace of vaccine production to decrease this death rate.

- A) Non-infectious
- B) Degenerative
- C) Infectious
- D) Non-degenerative

Answer: C

Diff: 1

Section Ref: Technology on the World Stage

4) \_\_\_\_\_ is a field of study focused on information handling and retrieval of information automatically.

- A) Computer forensics
- B) Database mining
- C) RFID
- D) Information technology

Answer: D

Diff: 2

Section Ref: Technology and Your Career

5) The process of searching huge amounts of data with the hope of finding a pattern is called \_\_\_\_\_.

- A) data mining
- B) data searching
- C) data warehousing
- D) data retrieval

Answer: A

Diff: 1

Section Ref: Technology and Your Career

6) \_\_\_\_\_ is a wearable device that hangs around your neck and consists of a camera, a projector, and a mirror that can communicate with the Internet over wireless Bluetooth technology.

- A) FastSCAN
- B) Data mining
- C) Emotional-social prosthesis (ESP)
- D) SixthSense

Answer: D

Diff: 2

Section Ref: Dig Deeper: Making Reality Even More Real

7) All of the following factors lead to better personal satisfaction, EXCEPT \_\_\_\_\_.

- A) consumption
- B) purpose
- C) autonomy
- D) mastery

Answer: A

Diff: 1

Section Ref: Technology and Our Society

8) Autonomy is defined as \_\_\_\_\_.

- A) working for something larger.
- B) feeling confident and excited about learning new skills.
- C) working without continual direction and control.
- D) repressing motivated behavior.

Answer: C

Diff: 2

Section Ref: Technology and Our Society

9) Using the Internet to get small donations from many people to start a business is called \_\_\_\_\_.

- A) kickstarting
- B) crowdfunding
- C) crowdsourcing
- D) collaborating

Answer: B

Diff: 2

Section Ref: Technology and Our Society

10) The technology called QR codes stands for \_\_\_\_\_.

- A) quick response
- B) quiet reader
- C) quiet response
- D) quick reaction

Answer: A

Diff: 2

Section Ref: Technology and Our Society

11) The goal of \_\_\_\_\_ is to provide technological solutions to physical problems, such as providing sight to the blind.

- A) 3D animations
- B) computer forensics
- C) biomedical chip research
- D) RFID technology

Answer: C

Diff: 2

Section Ref: Technology and Your Career

12) One potential application of \_\_\_\_\_ is to provide sight to the blind.

- A) RFID tags
- B) patient simulators
- C) biomedical chip implants
- D) VeriChips

Answer: C

Diff: 2

Section Ref: Technology and Your Career

13) All of the following are examples of being computer literate, EXCEPT \_\_\_\_\_.

- A) knowing how to avoid hackers and viruses
- B) knowing how to protect your privacy
- C) knowing how to use the Web efficiently
- D) knowing only how to use your computer for e-mails

Answer: D

Diff: 1

Section Ref: Technology at Home

14) \_\_\_\_\_ computing relates to emotion or deliberately tries to influence emotion.

- A) Affective

- B) Personal
- C) Psychological
- D) Emotional

Answer: A

Diff: 2

Section Ref: Technology and Your Career

15) Which of the following is an example of data mining?

- A) An Excel spreadsheet listing all employees and their annual salaries in a random order
- B) Amazon providing you with a list of books you might enjoy
- C) Raw data from questionnaires given at the mall
- D) A printout of all sales taken from the register at the end of the day

Answer: B

Diff: 2

Section Ref: Technology and Your Career

16) The emotional-social prosthesis (ESP) device, developed by a group at the MIT Media Lab, is targeted at helping people who have \_\_\_\_\_.

- A) paralysis
- B) diabetes
- C) autism
- D) brain damage

Answer: C

Diff: 2

Section Ref: Technology and Your Career

17) The difference between people with access to computers and the Internet and those without this access is known as the \_\_\_\_\_.

- A) Web divide
- B) Internet divide
- C) digital divide
- D) broadband divide

Answer: C

Diff: 1

Section Ref: Technology on the World Stage

18) Which of the following software can best be used to help create digital art?

- A) Microsoft Excel
- B) Microsoft Word
- C) Adobe Acrobat
- D) Adobe Illustrator

Answer: D

Diff: 2

Section Ref: Technology and Your Career

19) Faculty at universities often use course management software such as \_\_\_\_\_ to make information available to students.

- A) Blackboard
- B) Blueboard

- C) Noodle
- D) Whiteboard

Answer: A

Diff: 1

Section Ref: Technology and Your Career

20) \_\_\_\_\_ is the gathering together of groups of people using online tools to connect and exchange ideas.

- A) Affective computing
- B) Social networking
- C) Information technology
- D) Collaborative consumption

Answer: B

Diff: 2

Section Ref: Technology on the World Stage

21) The crisis-mapping tool \_\_\_\_\_ can collect information to make instantly and publicly available for use in emergencies.

- A) Marahabaa
- B) Ushahidi
- C) data mining
- D) The Witness Project

Answer: B

Diff: 2

Section Ref: Technology on the World Stage

22) The Witness Project uses the power of video and a grassroots movement to advocate for \_\_\_\_\_.

- A) computer literacy
- B) social networking
- C) human rights
- D) responsible citizenship

Answer: C

Diff: 2

Section Ref: Technology on the World Stage

23) The \_\_\_\_\_ is a strategic plan to focus on the young, talented, mathematical minds of Africa.

- A) Next Einstein Initiative
- B) Future Civic Media
- C) Childhood Walk
- D) National Research Council

Answer: A

Diff: 2

Section Ref: Technology on the World Stage

24) Analyzing computer systems to gather potential legal evidence is \_\_\_\_\_.

- A) computer detectives
- B) computer forensics
- C) forensics detectives
- D) computer enforcement

Answer: B

Diff: 1

Section Ref: Technology and Your Career

25) An identification chip that is smaller than a period is known as \_\_\_\_\_.

- A) SixthSense
- B) VeriMed
- C)  $\mu$ -chip
- D) Bio-chip

Answer: C

Diff: 3

Section Ref: Technology and Your Career

26) A popular Voice over Internet protocol service is \_\_\_\_\_.

- A) Tablet
- B) Skype
- C) Social Network
- D) Mobile bridge

Answer: B

Diff: 1

Section Ref: Try This

27) The ESP system targeted at helping with autism stands for \_\_\_\_\_.

- A) extra sensory perception
- B) emotional-stabilizing program
- C) emotional-social prosthesis
- D) emotional-social program

Answer: C

Diff: 2

Section Ref: Technology and Your Career

28) Joining together as a group to use a specific product more efficiently is called \_\_\_\_\_.

- A) affective computing
- B) social networking
- C) creative surplus
- D) collaborative consumption

Answer: D

Diff: 2

Section Ref: Technology and Our Society

29) People who are \_\_\_\_\_ make the Internet a powerful research tool and know how to find the information that they want effectively.

- A) computer productive
- B) computer literate
- C) technologically informed
- D) computer efficient

Answer: B

Diff: 1

Section Ref: Technology at Home

30) Affective computing is \_\_\_\_\_.

- A) performing calculations faster than humans
- B) being able to recognize human fingerprints
- C) speaking human language
- D) computing that relates to emotion

Answer: D

Diff: 2

Section Ref: Technology and Our Society

31) At the Wake Forest Institute for Regenerative Medicine, researchers use a desktop printer to create human organs.

Answer: TRUE

Diff: 2

Section Ref: How Cool Is This?

32) You cannot be computer literate unless you have knowledge of higher level computer skills, such as computer programming.

Answer: FALSE

Diff: 1

Section Ref: Technology at Home

33) Cognitive surplus is the combination of leisure time and creativity tools.

Answer: TRUE

Diff: 2

Section Ref: Technology and Our Society

34) Data mining is the process of searching huge amounts of data with the hope of finding a pattern.

Answer: TRUE

Diff: 1

Section Ref: Technology and Your Career

35) Crowdfunding is asking for large donations from a few people.

Answer: FALSE

Diff: 2

Section Ref: Technology and Our Society

36) Hardware refers to the programs that give instructions to the computer.

Answer: FALSE

Diff: 2

Section Ref: Technology and Your Career

37) Data mining is the process of analyzing computer systems with specific techniques to gather potential legal evidence.

Answer: FALSE

Diff: 1

Section Ref: Technology and Our Society

38) Computer forensics analyzes computer systems in gathering potential legal evidence.

Answer: TRUE

Diff: 1

Section Ref: Technology and Your Career

39) Hospitals use nonimplant versions of identity chips on the wristbands of all patients.

Answer: FALSE

Diff: 2

Section Ref: Technology and Your Career

40) Affective computing is a field of study that attempts to produce machines that understand and can respond to human emotion.

Answer: TRUE

Diff: 2

Section Ref: Technology and Your Career

41) ZipCar is an example of ownership.

Answer: FALSE

Diff: 1

Section Ref: Technology and Our Society

42) A virus is electronic junk mail.

Answer: FALSE

Diff: 1

Section Ref: Technology at Home

43) Affective computing is a field of study focused on managing and processing information and

the automatic retrieval of information.

Answer: FALSE

Diff: 2

Section Ref: Technology and Your Career

44) Computer literacy means that you are an expert on computer repair.

Answer: FALSE

Diff: 2

Section Ref: Technology at Home

45) If you draw a watch-sized circle on your wrist, SixthSense will display an analog watch face on your arm.

Answer: TRUE

Diff: 2

Section Ref: Dig Deeper: Making Reality Even More Real

46) Dancers can be wired with light electronic sensors so that their movements can be digitized for computer analysis.

Answer: TRUE

Diff: 1

Section Ref: Technology and Your Career

47) Mastery of software programs, such as Adobe Illustrator and Corel Painter, is essential to creating digital art.

Answer: TRUE

Diff: 1

Section Ref: Technology and Your Career

48) Information technology is the study of managing and processing information, and the automatic retrieval of information.

Answer: TRUE

Diff: 1

Section Ref: Technology and Your Career

49) Multimedia tours using mobile devices and wireless technology are not common in museums and galleries at this time.

Answer: FALSE

Diff: 2

Section Ref: Technology and Your Career

50) Examples of information technology careers are telecommunication and software deployment.

Answer: TRUE

Diff: 2

Section Ref: Technology and Your Career

51) VeriMed can be used to keep Alzheimer patients safe.

Answer: TRUE

Diff: 2

Section Ref: Technology and Your Career

52) The National Center for the Analysis of Violent Crime database enables detectives to analyze information about similarities between crimes.

Answer: TRUE

Diff: 1

Section Ref: Technology and Your Career

53) Data mining is the process of searching large datasets to find patterns.

Answer: TRUE

Diff: 2

Section Ref: Technology and Your Career

54) Computer programs can add muscles, fat, and skin to recovered human skulls to help identify the victim.

Answer: TRUE

Diff: 2

Section Ref: Technology and Your Career

55) Any flat surface can become an input device using SixthSense.

Answer: TRUE

Diff: 2

Section Ref: Dig Deeper: Making Reality Even More Real

56) If you are a design student, there is no reason for you to know how to use a computer.

Answer: FALSE

Diff: 1

Section Ref: Technology and Your Career

57) Autonomy is the feeling of confidence and excitement from seeing your own skills progress.

Answer: FALSE

Diff: 2

Section Ref: Technology and Our Society

58) Some art museums use technology to let you download informational podcasts to listen to while touring the exhibits.

Answer: TRUE

Diff: 2

Section Ref: Technology and Your Career

59) Mastery is the simple understanding that you are working for something larger than yourself.

Answer: FALSE

Diff: 2

Section Ref: Technology and Our Society

60) Educators do not need to be computer literate.

Answer: FALSE

Diff: 1

Section Ref: Technology and Your Career

61) Being \_\_\_\_\_ means being familiar enough with computers to understand their capabilities and limitations and knowing how to use them.

Answer: computer literate

Diff: 1

Section Ref: Technology at Home

62) The gap between Internet access and technical tools around the world is known as the \_\_\_\_\_.

Answer: digital divide

Diff: 1

Section Ref: Technology on the World Stage

63) \_\_\_\_\_ is a crisis-mapping tool that was originally developed as a response to a request from Kenya.

Answer: Ushahidi

Diff: 2

Section Ref: Technology on the World Stage

64) A process known as \_\_\_\_\_ tracks trends and allows retailers to respond to consumer buying patterns.

Answer: data mining

Diff: 3

Section Ref: Technology and Your Career

65) Using software such as Adobe Illustrator, Adobe Photoshop, and Corel Painter allows artists to create \_\_\_\_\_ art.

Answer: digital

Diff: 2

Section Ref: Technology and Your Career

66) \_\_\_\_\_ is the combination of leisure time and tools to be creative.

Answer: Cognitive surplus

Diff: 2

Section Ref: Technology and Our Society

67) \_\_\_\_\_ is the application of computer systems and techniques in the gathering of legal evidence.

Answer: Computer forensics

Diff: 2

Section Ref: Technology and Your Career

68) \_\_\_\_\_ is the use of apps to obtain opinions on products from other people.

Answer: Crowdsourcing

Diff: 2

Section Ref: Technology and Our Society

69) \_\_\_\_\_ computing relates to emotion or deliberately tries to influence emotion.

Answer: Affective

Diff: 2

Section Ref: Technology and Your Career

70) Sharing products rather than owning them individually is known as \_\_\_\_\_.

Answer: collaborative consumption

Diff: 2

Section Ref: Technology and Our Society

71) On a NASA Web site, you can play a game called \_\_\_\_\_ that simulates life on a space settlement.

Answer: Moonbase Alpha

Diff: 2

Section Ref: Technology and Your Career

72) \_\_\_\_\_ is the field of study focused on managing, processing, and retrieving information.

Answer: Information technology

Diff: 1

Section Ref: Technology and Your Career

73) \_\_\_\_\_ is a wearable system that isolates movements and facial expressions of people to help determine their mood and intention.

Answer: ESP, Emotional-social prosthesis, emotional-social prosthesis

Diff: 3

Section Ref: Technology and Your Career

74) An example of \_\_\_\_\_ is using register terminals to determine consumer buying patterns.

Answer: data mining

Diff: 1

Section Ref: Technology and Your Career

75) On a NASA Web site, \_\_\_\_\_ lets you pretend you have a scanning electron microscope.

Answer: Virtual Lab

Diff: 3

Section Ref: Technology and Your Career

76) An investment analyst from Boston started a nonprofit technological tool for education called the \_\_\_\_\_.

Answer: Khan Academy

Diff: 2

Section Ref: Technology and Your Career

77) A wearable device consisting of a camera, a projector, and a mirror that communicates with the Internet wirelessly through your cell phone is called \_\_\_\_\_.

Answer: SixthSense

Diff: 1

Section Ref: Dig Deeper: Making Reality Even More Real

78) The \_\_\_\_\_ allows an interactive tour through several museums from your own classroom.

Answer: Art Project

Diff: 3

Section Ref: Technology and Your Career

79) \_\_\_\_\_ is a personal identification chip that is about the size of a grain of rice and implanted under the skin.

Answer: VeriMed

Diff: 1

Section Ref: Technology and Your Career

80) \_\_\_\_\_ computing tries to influence emotions.

Answer: Affective

Diff: 1

Section Ref: Technology and Your Career

81) Social networking tools are providing a level of \_\_\_\_\_ connection and \_\_\_\_\_ distribution of information that is reshaping the world.

Answer: instant, instant

Diff: 1

Section Ref: Technology on the World Stage

82) Social media played a big role in the transfer of power in \_\_\_\_\_ in 2011.

Answer: Egypt

Diff: 2

Section Ref: Technology on the World Stage

83) A free crisis-mapping tool called \_\_\_\_\_ makes information instantly available to anyone in the world.

Answer: Ushahidi

Diff: 2

Section Ref: Technology on the World Stage

84) The \_\_\_\_\_ hopes to stop human rights abuses throughout the world.

Answer: Witness Project

Diff: 2

Section Ref: Technology on the World Stage

85) The danger of the \_\_\_\_\_ is that it prevents us from using all of the minds on the planet to solve the problems of the planet.

Answer: digital divide

Diff: 2

Section Ref: Technology on the World Stage

86) \_\_\_\_\_ is rallying the support of the world to identify mathematical genius.

Answer: The Next Einstein Initiative

Diff: 1

Section Ref: Technology on the World Stage

87) The \_\_\_\_\_ lets users create one huge display device from a set of smaller units, thereby keeping monitors out of landfills.

Answer: Junkyard Jumbotron

Diff: 2

Section Ref: Technology on the World Stage

88) Less familiarity with the \_\_\_\_\_ can lead to less civic engagement and a lower level of active, engaged citizenship.

Answer: Internet

Diff: 2

Section Ref: Ethics in IT: The Digital Divide and the Mobile Bridge

89) Computer tasks and skills that could lead to economic advancement, like filling out job applications or running a business, are not yet handled easily on \_\_\_\_\_.

Answer: mobile devices

Diff: 2

Section Ref: Ethics in IT: The Digital Divide and the Mobile Bridge

90) The world's population combined has an estimated \_\_\_\_\_ hours a year of free time.

Answer: one trillion

Diff: 3

Section Ref: Technology and Our Society

91) Our understanding of \_\_\_\_\_ can play a role in our use of technology to impact society.

Answer: human motivation

Diff: 3

Section Ref: Technology and Our Society

92) Web 2.0 has fostered a shift from only consuming to having the ability to \_\_\_\_\_ and collaborate on projects.

Answer: volunteer

Diff: 1

Section Ref: Technology and Our Society

93) The \_\_\_\_\_ shows the physical location of each voice in the Virtual Choir.

Answer: Virtual Choir Map

Diff: 2

Section Ref: Technology and Our Society

94) QR tags are used widely in retail, because studies show \_\_\_\_\_ percent of shoppers go to the Internet on their cell phone before a purchase.

Answer: 82

Diff: 2

Section Ref: Technology and Our Society

95) Match the following fields to the related computer technology:

I. medicine

II. business

III. law enforcement

IV. education

V. archaeology

A. Internet research and virtual tours

B. digital re-creation of ruins

C. bioengineering and patient simulators

D. computer forensics

E. data mining

Answer: C, E, D, A, B

Diff: 3

Section Ref: Multiple locations in the chapter

96) Match the following terms to their meanings:

- I. computer forensics
- II. computer literacy
- III. information technology
- IV. affective computing

- A. computing relating to emotion
- B. using computer systems to gather legal evidence
- C. understanding the capabilities and limitations of computers
- D. the handling and retrieval of information

Answer: B, C, D, A

Diff: 3

Section Ref: Multiple locations in the chapter

97) Match the following fields to the related computer technology:

- I. shipping
- II. video gaming
- III. education
- IV. legal system

- A. uses Bluetooth technology
- B. uses computer forensics animations
- C. uses course management software such as Blackboard
- D. uses software animation tools

Answer: A, D, C, B

Diff: 2

Section Ref: Multiple locations in the chapter

98) Match the following terms to their meanings:

- I. smartphone
- II.  $\mu$ -chip
- III. digital divide
- IV. VeriMed, Chip

- A. biomedical implant placed under the skin used for identification
- B. prevents us from using all the minds on the planet to solve the planet's problems
- C. device that enables the user to carry digital information
- D. identity chip small enough to be ingested without a person's knowledge

Answer: C, D, B, A

Diff: 3

Section Ref: Multiple locations in the chapter