## Psychology of Language An Integrated Approach 1st Edition Ludden Test Bank

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Multiple Choice
1. The is given the treatment to test the hypothesis, while the provides a baseline for comparison.
a. control group/experimental group
b. dependent variable/independent variable
*c. experimental group/control group
d. independent variable/dependent variable
Cognitive domain: Comprehension
Answer location: Elements of an Experiment
Question type: MC
2. An experiment design that assigns each participant to only one condition is called asubjects design.
*a. between
b. cross
c. single
d. within
Cognitive domain: Knowledge
Answer location: Elements of an Experiment
Question type: MC
3. A single application of the treatment in an experiment is called a
a. case
b. set
c. stimulus
*d. trial
Cognitive domain: Comprehension

Answer location: Elements of an Experiment	
Question type: MC	
4 is a measure of the difference in time between the presentation of a stimulus a initiation of a response by the participant.	nd the
a. Accuracy	
b. Error rate	
*c. Latency	
d. Priming	
Cognitive domain: Knowledge	
Answer location: Measured Response	
Question type: MC	
5. The percentage of correct responses over a set of trials is known as	
*a. accuracy	
b. recall	
c. reliability	
d. validity	
Cognitive domain: Knowledge	
Answer location: Measured Response	
Question type: MC	
6. The task is an experimental procedure in which the participant sees a string of I responds as quickly as possible, indicating whether it is a word or not.	etters and
*a. lexical decision	
b. nonword repetition	
c. serial recall	
d. two-alternative forced choice	
Cognitive domain: Comprehension	

Answer location: Bread and Butter
Question type: MC
7. A is a pronounceable letter string that just happens not to be a word in English.
a. cue word
b. function word
*c. nonword
d. target word
Cognitive domain: Knowledge
Answer location: Bread and Butter
Question type: MC
8 is an implicit memory process in which the recall of a particular item is enhanced due to previous exposure of similar items.
a. Delayed recall
*b. Priming
c. Regression
d. Working memory
Cognitive domain: Comprehension
Answer location: Bread and Butter
Question type: MC
9 is a condition due to brain damage and characterized by fluent speech that is filled with vocabulary errors accompanied by difficulty in comprehending speech.
a. Apraxia of speech
b. Broca's aphasia
c. Specific language impairment
*d. Wernicke's aphasia
Cognitive domain: Comprehension

Answer location: Building Blocks
Question type: MC
10. A quick movement of the eyes while reading is known as a, and a momentary gaze of the eyes on a single location while reading is known as a
a. fixation/saccade
b. prime/target
*c. saccade/fixation
d. target/prime
Cognitive domain: Comprehension
Answer location: Moving Eyes
Question type: MC
11. In a(n) recall task, the participant hears or sees a series of items and then repeats them without delay.
a. free
*b. immediate
c. nondelayed
d. serial
Cognitive domain: Knowledge
Answer location: Total Recall
Question type: MC
12. If you can remember the beginning and ending of a song but not the middle, you are experiencing effects.
a. delayed recall
b. implicit learning
*c. primacy and recency
d. serial recall
Cognitive domain: Application

Answer location: Total Recall
Question type: MC
13. A memory task in which participants are allowed to repeat the items in any order is called a recall task.
a. delayed
*b. free
c. implicit
d. serial
Cognitive domain: Knowledge
Answer location: Total Recall
Question type: MC
14 learning is a form of learning that takes place outside of conscious awareness.
*a. Implicit
b. Subliminal
c. Transient
d. Unconscious
Cognitive domain: Comprehension
Answer location: Learning Without Knowing
Question type: MC
15. The is the interior portion of the brain that is charged with regulating body functions and keeping the body alive.
*a. brainstem
b. cerebellum
c. cerebral cortex
d. corpus callosum
Cognitive domain: Comprehension

Answer location: What's Inside Your Head

Question type: MC
16. The walnut-sized structure behind the brainstem that is responsible for coordinating movement is called the
a. amygdala
*b. cerebellum
c. hippocampus
d. occipital lobe
Cognitive domain: Comprehension
Answer location: What's Inside Your Head
Question type: MC
17. The is a band of fibers connecting the left and right hemispheres of the brain, allowing for communication between them.
a. basal ganglia
b. cerebellum
*c. corpus callosum
d. hippocampus
Cognitive domain: Knowledge
Answer location: What's Inside Your Head
Question type: MC
18. The is the outer covering of the forebrain where most of the brain activity giving rise to conscious experience takes place.
a. basal ganglia
*b. cerebral cortex
c. corpus callosum
d. frontal lobe
Cognitive domain: Knowledge

Answer location: What's I	nside Your Head
Question type: MC	
19. The lobe is	s located at the back of the head and processes visual input from the eyes.
a. frontal	
*b. occipital	
c. parietal	
d. temporal	
Cognitive domain: Compr	ehension
Answer location: What's I	nside Your Head
Question type: MC	
20. The lobe responsible for object rec	at that side of the head processes auditory input from the ears and is also ognition.
a. frontal	
b. occipital	
c. parietal	
*d. temporal	
Cognitive domain: Compr	ehension
Answer location: What's I	nside Your Head
Question type: MC	
21 refers to hemispheres of the brain.	the fact that some cognitive functions are processed in only one of the two
a. Canalization	
b. Internalization	
*c. Lateralization	
d. Localization	
Cognitive domain: Compr	ehension

Answer location: What's Inside Your Head
Question type: MC
22 area is a region in the left temporal lobe that is generally described as the language comprehension area of the brain.
a. Broca's
b. Brodmann's
c. Exner's
*d. Wernicke's
Cognitive domain: Comprehension
Answer location: What's Inside Your Head
Question type: MC
23. The general term for the set of distinct brain structures located below the cerebral cortex is
a. basal ganglia
b. brainstem
*c. subcortical structures
d. transcortical pathways
Cognitive domain: Knowledge
Cognitive domain: Knowledge  Answer location: What's Inside Your Head
Answer location: What's Inside Your Head
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Answer location: What's Inside Your Head  Question type: MC  24. The is a subcortical structure of the temporal lobe that plays an important role in
Answer location: What's Inside Your Head  Question type: MC  24. The is a subcortical structure of the temporal lobe that plays an important role in memory and learning.
Answer location: What's Inside Your Head  Question type: MC  24. The is a subcortical structure of the temporal lobe that plays an important role in memory and learning.  a. amygdala
Answer location: What's Inside Your Head  Question type: MC  24. The is a subcortical structure of the temporal lobe that plays an important role in memory and learning.  a. amygdala  b. basal ganglia

Answer location: What's Inside	de Your Head	
Question type: MC		
25 means towa brain.	rd the front of the brain and	means toward the back of the
*a. Anterior/posterior		
b. Inferior/superior		
c. Posterior/anterior		
d. Superior/inferior		
Cognitive domain: Comprehe	ension	
Answer location: What's Insi	de Your Head	
Question type: MC		
26 is a techniqu voltage fluctuations originati		various locations on the scalp to record
*a. EEG		
b. ERP		
c. fMRI		
d. PET		
Cognitive domain: Comprehe	ension	
Answer location: "Listening"	to the Brain	
Question type: MC		
27. A specific ERP waveform	that is tied to a particular cognitive	process is known as a
a. brainwave		
*b. component		
c. marker		
d. voxel		
Cognitive domain: Comprehe	ension	

Answer location: "Listening" to the Brain
Question type: MC
28. The is an ERP component that has been linked to the processing of semantic anomaly.
a. FOXP2
*b. N400
c. P300
d. PET
Cognitive domain: Comprehension
Answer location:
Question type: MC
29 is a brain imaging technique that produces a three-dimensional moving picture of blood flow by tracking gamma rays emitted from a mildly radioactive substance injected into the bloodstream
a. EEG
b. fMRI
c. N400
*d. PET
Cognitive domain: Comprehension
Answer location: "Watching" the Brain in Action
Question type: MC
30. The brain-imaging technique known as fMRI takes advantage of differences in the magnetic properties of oxygenated and deoxygenated hemoglobin to track
*a. blood flow
b. brainwaves
c. electrical activity
d. gamma rays
Cognitive domain: Comprehension

Answer location: "Watching" the Brain in Action
Question type: MC
Fill in the Blank
1. Scientists use the term to refer to a conceptual framework that explains a set of observations in such a way that it also makes predictions about future observations.
*Answer: theory
Cognitive domain: Comprehension
Answer location: Just a Theory
Question type: FIB
2. The is a procedure that assesses short-term memory capacity by having research participants repeat lists of digits.
*Answer: digit span task
Cognitive domain: Knowledge
Answer location: Just a Theory
Question type: FIB
3. A prediction about future observations that is derived from a theory is called a(n)
*Answer: hypothesis
Cognitive domain: Knowledge
Answer location: Just a Theory
Question type: FIB
4. The principle that a theory must make predictions that have the potential to be disconfirmed by data is known as the
*Answer: falsifiability criterion
Cognitive domain: Comprehension
Answer location: You Can't Prove It

Question type: FIB
5. Psychologist Alan Baddeley proposed a mechanism called the, which is a short-term memory buffer that can hold about two seconds of spoken language.
*Answer: phonological loop
Cognitive domain: Comprehension
Answer location: You Can't Prove It
Question type: FIB
6. The logical process of going from specific examples to general statements is known as
*Answer: induction
Cognitive domain: Knowledge
Answer location: From Observation to Explanation
Question type: FIB
7 is the logical process of going from general statements to specific examples.
*Answer: Deduction
Cognitive domain: Knowledge
Answer location: From Observation to Explanation
Question type: FIB
8. A study conducted under natural circumstances outside of the laboratory is called a(n)
*Answer: field study
Cognitive domain: Knowledge
Answer location: From Observation to Explanation
Question type: FIB
9. The process of observing and describing a phenomenon is known as
*Answer: naturalistic observation

Cognitive domain: Comprehension
Answer location: From Observation to Explanation
Question type: FIB
10 is a mathematical technique that searches for relationships among variables in a set of data.
*Answer: Correlation
Cognitive domain: From Observation to Explanation
Answer location: Knowledge
Question type: FIB
11. The is a means for systematically testing hypotheses in controlled situations.
*Answer: experimental method
Cognitive domain: Comprehension
Answer location: From Observation to Explanation
Question type: FIB
12. A(n) is a simplified version of the phenomenon under investigation, typically in the form of a graph or set of mathematical equations.
*Answer: model
Cognitive domain: Comprehension
Answer location: From Observation to Explanation
Question type: FIB
13. A(n) is a label given to a set of observations that seem to be related.
*Answer: construct
Cognitive domain: Knowledge
Answer location: Constructs

Question type: FIB

14. Scientists often make a(n) definition of a construct in terms of how that construct is to be measured; one famous example is psychologist Edwin Boring's definition of intelligence as whatever is measured on an intelligence test.
*Answer: operational
Cognitive domain: Comprehension
Answer location: Constructs
Question type: FIB
15 refers to the degree to which the measuring instrument actually measures what it is claimed to measure.
*Answer: Validity
Cognitive domain: Knowledge
Answer location: Constructs
Question type: FIB
16 is the degree to which an instrument gives consistent measurements for the same thing.
*Answer: Reliability
Cognitive domain: Knowledge
Answer location: Constructs
Question type: FIB
17. A(n) is a tightly controlled situation that has been intentionally designed to test a hypothesis.
*Answer: experiment
Cognitive domain: Knowledge
Answer location: Elements of an Experiment
Question type: FIB

18. The various types of treatment given to the different groups in an experiment are known collectively as the
*Answer: independent variable
Cognitive domain: Knowledge
Answer location: Elements of an Experiment
Question type: FIB
19. The measurement of the response that each participant makes to the treatment in an experiment is known as the
*Answer: dependent variable
Cognitive domain: Knowledge
Answer location: Elements of an Experiment
Question type: FIB
20. An experiment design that assigns each participant to every condition is said to be a(n)design.
*Answer: within-subjects
Cognitive domain: Knowledge
Answer location: Elements of an Experiment
Question type: FIB
21 is the scientific study of the cognitive processes involved in comprehending and producing language.
*Answer: Psycholinguistics
Cognitive domain: Comprehension
Answer location: Section 2.3 (Introduction)
Question type: FIB
22. The percentage of incorrect responses over a set of trials is called the
*Answer: error rate

Answer location: Learning Without Knowing

Cognitive domain: Knowledge			
Answer location: Measured Response			
Question type: FIB			
23. A(n) is a movement of the eyes back to a previously viewed location when reading or scanning a visual scene.			
*Answer: regression			
Cognitive domain: Comprehension			
Answer location: Moving Eyes			
Question type: FIB			
24. A memory task in which participants are required to repeat the items in the correct order is known as a recall task.			
*Answer: serial			
Cognitive domain: Comprehension			
Answer location: Total Recall			
Question type: FIB			
25. In a(n) recall task, participants hear or see a series of items and them recall those item after some time has passed.			
*Answer: delayed			
Cognitive domain: Comprehension			
Answer location: Total Recall			
Question type: FIB			
26. An experimental task requiring the participant to decide between two options is called a(n)			
*Answer: two-alternative forced-choice			
Cognitive domain: Knowledge			

Question type: FIB		
27. Theenvironment.	lobe at the top of the head monitors body position and navigation through the	
*Answer: parietal		
Cognitive domain: Kı	nowledge	
Answer location: Wh	nat's Inside Your Head	
Question type: FIB		
28. Theplanning and decisio	lobe is by the forehead; it generates motor movement and is also responsible for n making.	
*Answer: frontal		
Cognitive domain: Kı	nowledge	
Answer location: What's Inside Your Head		
Question type: FIB		
29. The emotion and memor	is a subcortical structure of the temporal lobe that plays a role in regulating y.	
*Answer: amygdala		
Cognitive domain: Knowledge		
Answer location: Amygdala		
Question type: FIB		
	make up a set of subcortical structures located where the brainstem joins the are responsible for procedural learning and the execution of routine actions.	
*Answer: basal gang	lia	
Cognitive domain: Co	omprehension	
Answer location: Wh	nat's Inside Your Head	
Question type: FIB		

Instructor Resources – Ch 2

Ludden, The Psychology of Language: An Integrated Approach

**Essay Questions** 

1. Explain the difference between a theory and a hypothesis and tell how they are related to each other.

What role does the falsifiability criterion play in experimental design? What is a model? Define construct

and operational definition, explaining how they are related.

a. Theory explains a set of data; a hypothesis is a prediction derived from a theory.

b. Hypothesis tests the theory and must have the potential of being proven false.

c. Model attempts to explain the underlying mechanism of a theory in the form of a graph or set of

mathematical equations.

d. Construct ties together a set of observations that seem to be related; operational definition defines

the construct in terms of how it is to be measured.

Cognitive domain: Analysis

Answer location: SECTION 2.1: SCIENTIFIC METHOD

Question type: ESS

2. Describe the elements of an experiment, including a discussion of experimental and control groups as well as independent and dependent variables. What is the difference between a between-subjects and a

within-subjects design? How do we use the results of an experiment to test a hypothesis?

a. Experimental group is given the treatment; control group provides baseline for comparison.

b. Independent variable refers to the type of treatment given each group; dependent variable refers to

the measured response of the participants.

c. between-subjects—different participants in each group; within-subjects—same participants in each

group

d. Hypothesis is expressed as greater than or less than relationship between groups; if data go in

predicted direction, the hypothesis is supported.

Cognitive domain: Analysis

Answer location: SECTION 2.2: EXPERIMENT DESIGN

Question type: ESS

3. Describe the lexical decision task and the priming task. Explain the four types of recall tasks and describe what primacy and recency effects are. Discuss implicit learning and the way it is typically

tested. What are head-mounted eye-tracking devices used for?

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a. LDT—Decide as quickly and accurately as possible whether a letter string is a word; priming—The second word is responded to faster when it is related to the first word. LDT and priming are combined to test all sorts of hypotheses about language processing.

b. immediate—recall right after presentation; delayed—recall after some time has passed; free—recall in any order; serial—recall in order of presentation; P&R—first and last items presented usually best recalled

- c. implicit learning—outside of conscious awareness, tested with forced-choice task
- d. head-mounted eye-tracking device—records eye movements during reading or while scanning visual display during sentence comprehension or production

Cognitive domain: Analysis

Answer location: SECTION 2.3: BEHAVIORAL TECHNIQUES

Question type: ESS

- 4. Discuss the location of Broca's and Wernicke's areas and the roles they play in language processing. Explain how ERP measures brain activity and include a discussion of N400. Explain how fMRI measures brain activity. What are the advantages and disadvantages of ERP and fMRI?
- a. Broca—left frontal lobe, speech production; Wernicke—left temporal lobe, speech perception
- b. ERP—waveforms extracted from EEG, which measures electrical activity at the scalp; N400 is ERP response to semantic anomaly
- c. fMRI—tracks blood flow in the brain by using the magnetic properties of blood
- d. ERP—excellent temporal resolution, poor spatial resolution; fMRI—excellent spatial resolution, poor spatial resolution

Cognitive domain: Analysis

Answer location: SECTION 2.4: LANGUAGE AND THE BRAIN

Question type: ESS