

Chapter 7

1. Mental activity that goes on in the brain when a person is processing information is called _____.

- a. mentation.
- b. a concept.
- c. thinking.
- d. mental imagery.

ANS: c

LO=7.1

2. Research suggests we interact with _____ images _____ the way interact with physical objects.

- a. mental; differently than
- b. mental; similarly to
- c. prototypical; differently than
- d. prototypical; similarly to

ANS: b

LO=7.1

3. On a popular quiz show, contestants are asked to match the audience in naming certain items. One contestant, when asked to “name a type of vehicle,” replied “elevator!” The audience groaned, because they knew that the contestant was pretty far off the mark. The contestant should have picked a vehicle that was closer to a _____ for vehicles to match the audience’s response.

- a. formal concept
- b. natural concept
- c. fuzzy concept
- d. prototype

ANS: d

LO=7.1

4. Algorithms are a type of _____.

- a. mechanical solution.
- b. heuristic.
- c. rule of thumb.
- d. means–end analysis.

ANS: a

LO=7.2

5. The _____ heuristic can be used to create and maintain stereotypes.

- a. availability
- b. representative
- c. insight
- d. means–end analysis

ANS: b

LO=7.2

6. When people persist in trying to solve a problem the same way they have always gone about solving problems, they have developed _____.

- a. a mental set.
- b. functional fixedness.
- c. confirmation bias.
- d. transformation bias.

ANS: a

LO=7.3

7. Which of the following questions would be more likely to produce divergent thinking?

- a. "What is a coffee cup?"
- b. "How do you spell coffee cup?"
- c. "How many uses can you think of for a coffee cup?"
- d. "What does a coffee cup look like?"

ANS: c

LO=7.3

8. Which of the following is NOT part of the traditional definition of intelligence?

- a. ability to adapt
- b. ability to solve problems
- c. ability to be creative
- d. ability to use resources effectively

ANS: c

LO=7.4

9. In Terman's study of gifted children, social and behavioral problems were found only in those _____.

- a. with IQs of 150 or higher.
- b. with IQs of 180 or higher.
- c. with IQs of 180 or higher in adulthood.
- d. with IQs of 180 or higher in childhood.

ANS: b

LO=7.5

10. According to Sternberg, "street smarts" is another way of talking about which kind of intelligence?

- a. analytical
- b. creative
- c. practical
- d. emotional

ANS: c

LO=7.4

11. Which type of intelligence, according to Sternberg, would most likely be measured by traditional intelligence tests?

- a. analytical
- b. creative
- c. practical
- d. emotional

ANS: a

LO=7.4

12. Goleman has proposed that _____ intelligence is a more powerful influence on success in life than other forms of intelligence.

- a. analytical
- b. creative
- c. practical
- d. emotional

ANS: d

LO=7.7

13. Keneisha is only 11 years old, but she can answer questions that most 15-year-olds can answer. Fifteen is Keneisha's _____.

- a. chronological age.
- b. mental age.
- c. IQ.
- d. standard age.

ANS: b

LO=7.5

14. Which of the following makes the Wechsler tests different from the Stanford-Binet?

- a. The Wechsler tests are administered to individuals.
- b. The Wechsler is designed only for children.
- c. The Stanford-Binet is designed only for adults.
- d. Different Wechsler tests are available for different age groups.

ANS: d

LO=7.5

15. A test that gives similar scores for a person each time the person takes it is considered to be a _____ test.

- a. reliable
- b. valid
- c. standardized
- d. creative

ANS: a

LO=7.5

16. When a test allows a person from one particular background to have an unfair advantage over persons from other backgrounds, it is called_____.

- a. culturally free.
- b. culturally fair.
- c. culturally biased.
- d. unreliable.

ANS: c

LO=7.5

17. Marcos' mother drank heavily while pregnant with him and he has been diagnosed with mild intellectual disability. Marcos most likely suffers from _____.

- a. Down syndrome.
- b. fetal alcohol syndrome.
- c. fragile X syndrome.
- d. cretinism.

ANS: b

LO=7.6

18. The current estimate of heritability of intelligence is_____.

- a. 0.90.
- b. 0.86.
- c. 0.50.
- d. 0.34.

ANS: c

LO=7.8

19. The basic units of sound are called _____.

- a. morphemes.
- b. phonemes.
- c. semantics.
- d. syntax.

ANS: b

LO=7.9

20. The linguistic relativity hypothesis states that _____.

- a. language shapes thoughts.
- b. thoughts shape language.
- c. language and thought develop independently.
- d. language and thought influence each other.

ANS: a

LO=7.10

21. Research has supported the role of _____ in the maintenance of mental fitness and improved cognitive function.

- a. visual activity
- b. specific mental exercises such as those involving working memory
- c. higher levels of aerobic fitness
- d. b and c

ANS: d
LO=7.11

22. Traumatic brain injuries can have a negative impact on which of the following?
- a. problem solving
 - b. memory
 - c. attention
 - d. all of the above

ANS: d
LO=7.5

Name _____

Chapter 7 - Quick Quiz 1

1. What are mental categories representing activities, objects, qualities, or situations that share some common characteristics?
 - a) classes
 - b) concepts
 - c) attributes
 - d) classifications
2. The tendency to perceive and approach problems in the same ways that have worked in the past is called _____.
 - a) mental set
 - b) means–end analysis
 - c) noncompensatory modeling
 - d) prototypical idealization
3. What type of thinking could be described as taking different directions in search of a variety of answers to a question?
 - a) decisive
 - b) convergent
 - c) heuristic
 - d) divergent
4. The ability to think rationally or logically and use resources effectively when faced with challenges or problems is the psychologist’s working definition of _____.
 - a) divergent problem solving
 - b) creative thinking
 - c) heuristic usage
 - d) intelligence
5. Alfred Binet designed the first _____ test.
 - a) aptitude
 - b) performance-based
 - c) perception
 - d) intelligence
6. Poor nutrition and medical care, poor living conditions (older, cheaper buildings often have lead paint on the walls), and a lack of intellectual support are thought to lead to _____.
 - a) fragile X syndrome
 - b) Down syndrome
 - c) fetal alcohol syndrome
 - d) familial retardation
7. The term Terman’s *Termites* refers to _____.
 - a) a set of developmentally delayed students that Terman studied intensively
 - b) a group of Army soldiers who on the basis of their IQ were followed through their military career
 - c) a sample of gifted children who were studied and followed into adulthood
 - d) none of these
8. Language is based on basic sound units called _____.
 - a) phonemes
 - b) morphemes
 - c) semantics
 - d) registers
9. Researchers have found that _____ influenced by culture.
 - a) neither language nor thought is
 - b) language, but not thought, is
 - c) thought, but not language, is
 - d) both language and thought are
10. Which of the following is suggested by your authors as helping to substantially improve cognitive health?
 - a) physical exercise
 - b) a diet high in beta-amyloids
 - c) drinking one or two glasses of red wine at least twice each week.
 - d) the cessation of cigarette smoking

Chapter 7 - Quick Quiz 1

Answer Key

1. b Explanation: Mental categories representing activities, objects, qualities, or situations that share some common characteristics are called concepts. (Page 255-256, Factual, LO 7.1)
2. a Explanation: The tendency to perceive and approach problems in certain ways is called mental set. (Page 262, Factual, LO 7.3)
3. d Explanation: Divergent thinking involves taking different directions in search of a variety of answers to a question. (Page 263, Factual, LO 7.3)
4. d Explanation: The ability to think rationally or logically and use resources effectively when faced with challenges or problems is a psychologist's working definition of intelligence. (Page 265, Factual, LO 7.4)
5. d Explanation: Alfred Binet designed the first intelligence test. (Page 267-268, Factual, LO 7.5)
6. d Explanation: Familial retardation is caused by living in poverty conditions. (Page 276, Factual, LO 7.6)
7. c Explanation: The term Terman's *Termites* refers to a sample of gifted children who were studied and followed into adulthood. (Page 278, Factual, LO 7.7)
8. a Explanation: Language is based on basic sound units called phonemes. (Page 285, Factual, LO 7.9)
9. d Explanation: Researchers have found that both language and thought are influenced by culture. (Page 287-288, Factual, LO 7.10)
10. a Explanation: Physical activity has repeatedly been demonstrated to be associated with improved cognitive function. (Page 290, Factual, LO 7.11)

Name _____

Chapter 7 - Quick Quiz 2

1. In Kosslyn's "imaginary island" study, researchers found that it does take longer to view a mental image that _____.
 - a) is larger or covers more distance than one that is smaller and more compact
 - b) has more items in it
 - c) has more colors in it
 - d) contains living things as compared to nonliving items
2. What problem-solving strategies don't guarantee solutions but make efficient use of time?
 - a) heuristics
 - b) algorithms
 - c) mnemonic devices
 - d) cognitive shortcuts
3. A seemingly arbitrary flash "out of the blue," through which the solution to a problem suddenly becomes apparent to you, but you do not consciously know how you "figured it out," is called _____.
 - a) brainstorming
 - b) priming
 - c) insight
 - d) a mental set
4. A person starts from one point and comes up with many different ideas or possibilities based on that point. The person is engaging in _____.
 - a) functional thinking
 - b) circular thinking
 - c) convergent thinking
 - d) divergent thinking
5. A psychological test that measures what we intend it to measure is said to be _____.
 - a) valid
 - b) normed
 - c) reliable
 - d) standardized
6. All parents think their little kids are geniuses. However, to be classified as a genius, the IQ score must be above _____.
 - a) 120
 - b) 130
 - c) 140
 - d) 150
7. _____ intelligence has been suggested by Goleman to be a more powerful influence on life than more traditional views.
 - a) Analytical intelligence
 - b) Creative intelligence
 - c) Emotional intelligence
 - d) none of these
8. When we consider intelligence, it is important to remember that although _____ sets limits on a child's potential, it is the _____ that permits that potential to be actualized.
 - a) learning; opportunity
 - b) opportunity; learning
 - c) heredity; environment
 - d) environment; heredity
9. What are the smallest units of meaning in a language?
 - a) words
 - b) syntax
 - c) phonemes
 - d) morphemes
10. At the current time, which statement is true about our knowledge of whether animals can use humanlike language?
 - a) It has been clearly shown that animals cannot use humanlike language.
 - b) All animal communication is instinctual and, thus, is not language.
 - c) Only primates, like monkey and chimps, show any sign of language-like behavior.
 - d) It is still unclear if animals can show humanlike language at any level of development.

Chapter 7 - Quick Quiz 2 Answer Key

1. a Explanation: Researchers did find it takes longer to view a mental image that is larger or covers more distance than one that is smaller and more compact. (Page 254-255, Factual, LO 7.1)
2. a Explanation: Heuristics don't guarantee a solution but make efficient use of time. (Page 258-259, Conceptual/Factual, LO 7.2)
3. c Explanation: A flash of problem-solving is called insight. (Page 260, Factual, LO 7.2)
4. d Explanation: The person is engaging in divergent thinking as the solutions spread out from a starting point. (Page 263, Factual, LO 7.3)
5. a Explanation: A psychological test that measures what we intend it to measure is said to be valid. (Page 270, Factual, LO 7.5)
6. c Explanation: The IQ of a genius is above 140. (Page 277, Factual, LO 7.7)
7. c Explanation: Emotional intelligence has been suggested by Goleman to be a more powerful influence on life than more traditional views. (Page 280-281, Conceptual/Factual, LO 7.7)
8. c Explanation: It is important to remember that although heredity sets limits on a child's potential, it is the environment that permits that potential to be actualized. (Page 282-283, Conceptual, LO 7.8)
9. d Explanation: Morphemes are the smallest units of meaning within a language. (Page 285, Factual, LO 7.9)
10. d Explanation: It is still unclear whether animals can use humanlike language. (Page 289, Factual, LO 7.10)