

CHAPTER 2: Technology and Learning

MULTIPLE CHOICE.

Choose the one alternative that best completes the statement or answers the question.

1. A teacher's own teaching style is usually a function of which of the following influences?
 - A) Whether he or she has had a comprehensive educational technology course
 - B) The number of years of teaching experience
 - C) His or her own personal learning and cognitive preferences
 - D) The quality of the instructional methods courses taken

2. In the communication process, which of the following is NOT one of the three major variables that can interfere with the communication of ideas?
 - A) Physical factors.
 - B) Personal filters.
 - C) Academic factors.
 - D) Psychological factors.

3. A student who just experienced a traumatic event in the hallway is likely to have what type of interference with effective communication in the classroom?
 - A) physical factors
 - B) personal filters
 - C) environmental factors
 - D) psychological factors

4. Skinner is to behaviorism as Piaget is to
 - A) Cognitivism
 - B) Multiple intelligences
 - C) Constructivism
 - D) Proximal development

5. Existential and spatial are two of the capabilities measured by the
 - A) Stanford-Binet IQ Test
 - B) Multiple Intelligence Test
 - C) Myers-Briggs Inventory
 - D) Learning Styles Inventory

6. Asserting that learning as a mental operation that takes place when information enters through the senses, is a premise of which theory of learning?
 - A) Behaviorism
 - B) Multiple intelligences
 - C) Cognitivism
 - D) Constructivism

7. If you follow parts of each learning theory as they fit with your learning objectives, which of the following describes your approach to learning?

- A) Constructivist
- B) Behaviorist
- C) Cognitivist
- D) Eclectic

8. If a teacher asks his students to gather information that supports both creationism and evolution as theories of creation, he may be trying to help students learn while avoiding distortion due to

- A) Personal Filters
- B) Learning styles
- C) Multiple intelligences
- D) Special needs

9. Students Belle and Chase look forward to a singing and clapping activity to learn the capitals of the states. Which type of intelligence is prominent in this activity?

- A) kinesthetic
- B) logical-mathematical
- C) spatial
- D) intrapersonal

10. In which view of learning or perspective is the learner considered passive?

- A) Constructivism
- B) Communications
- C) Behaviorism
- D) Cognitivism-Constructivism

11. Which of the following is a technology often employed to reinforce critical thinking?

- A) Assistive devices
- B) Online problem solving games
- C) Creativity software
- D) Reinforcement tutorials

12. Which statement is true regarding the evolution of educational technology?

- A) Teaching and learning has become more student-centric as technology was integrated
- B) Standards has not kept up with technology evolution and integration.
- C) Despite evolving technology, teaching and learning strategies have remained constant.
- D) Emphasis is now more on media centric technologies than on digital technologies.

13. Most learning style theorists identify three primary modalities for learning. Which of the following is NOT a generally accepted learning style?

- A. Introvert

- B. Auditory
- C. Kinesthetic
- D. Visual

14. Who developed the Theory of Multiple Intelligences?

- A. Skinner
- B. Papert
- C. Bloom
- D. Gardner

15. What are technologies specifically adapted to help students with a physical or learning disability to learn?

- A. iPads
- B. Assistive devices
- C. Smartphones
- D. Emoticons

SHORT ANSWER

Write an answer that best responds to the question.

1. What would a behaviorist teacher's teaching and learning strategies look like?
2. Piaget and Papert are classified as what type of theorist with what type of learning emphasis?
3. Describe the theory of intelligence that Gardner has proposed. Name and describe three of the nine intelligences.
4. Name and describe the filters that can impact the communications cycle between teacher and learners.
5. What is the Myers-Briggs Type Indicator (MBTI)? How does it help teachers understand learners?

Chapter 2 Answer Key

MULTIPLE CHOICE

1. C
2. C
3. D
4. A
5. B
6. C
7. D
8. A
9. A
10. C

- 11. B
- 12. A
- 13. A
- 14. D
- 15. B

SHORT ANSWER

1. The teacher would focus on reward and punishment. Learning would be shaped by rewards and withholding rewards for correct responses.
2. Both of these are Constructivist. They both see knowledge as a constructed element resulting from the learning process and is entirely unique to the individual.
3. Multiple Intelligences suggests there are 9 types of intelligence. Everyone has some of each but one or more are dominant. Linguistic, Logical-Mathematical; Musical; Spatial; Bodily-Kinesthetic; Interpersonal; Intrapersonal; Naturalistic; Existential
4. Filters include cultural values, religious beliefs, social views, personal values, and attitudes.
5. The MBTI of the most widely-used cognitive style instruments to define certain patterns of thinking. It can help teachers understand the thinking process of the individual student so that strategies can be developed to take advantage of those preferences.