Interpersonal Studies

(1) The student evaluates factors related to personal development. The student is expected to:

(A) investigate factors that affect personal identity, personality and self-esteem
(B) analyze how the family influences the development of personal identity and self-esteem of all family members, including those with special needs
(C) propose strategies that promote physical, emotional, intellectual and social development

Biology

(10) Science concepts. The student knows that biological systems are composed of multiple levels. The student is expected to:

(A) describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction and defense from injury or illness in animals
(C) analyze the levels of organization in biological systems and relate the levels to each other and to the whole system

1. Charles thinks his time at the library has improved his mental functions. The ________ is the center of the nervous system that controls these processes.

   a. spinal cord
   b. brain
   c. heart
   d. head
2. Charles’ brain, like that of any other human, has a cerebral cortex estimated to contain ______________ neurons.
   a. 1-5 million
   b. 10-20 million
   c. 15-30 billion
   d. over 50 billion

3. Matthew has not been sleeping well, so he began reading about insomnia. He discovered the ___________ regulates sleep and wake cycles, eating and drinking, hormone release and many other critical biological functions.
   a. hypothalamus
   b. thalamus
   c. cerebellum
   d. hippocampus

4. ___________ is the ability to refine patterns of body movement by doing the same motion over and over, as done by a basketball or tennis player.
   a. Working memory
   b. Motor learning
   c. Instrumental learning
   d. Semantic memory

5. Instrumental learning is the ability for rewards and punishments to modify behavior. Which of the following promotes instrumental learning?
   a. Not rewarding your dog when he does something correct
   b. Doing nothing to correct a wrong behavior
   c. Not rewarding your little sister for her good grades
   d. Giving your daughter a candy treat when she cleans her room

6. While studying the brain, Sandy learned that the nervous system is composed of special cells called:
   a. axons
   b. neurons
   c. nerves
   d. prokaryotic cells

7. Wendy reads to her little sister every night because she was told that reading to infants and toddlers ___________ their desire to learn.
   a. significantly decreases
   b. slightly increases
   c. significantly increases
   d. slightly decreases
8. Parents can teach their children math and reading skills at home using natural experiences. Identify which one of the following would not be considered a natural experience for a child.
   a. Counting napkins when setting the dinner table
   b. Telling a story
   c. Sitting in front of the TV for 3 hours every day.
   d. Going to the library as a family

9. Coach Simmons does not allow __________ in his gym because the activity does not promote physical development in children.
   a. ball games
   b. video games
   c. skipping
   d. running and chasing

10. Parents may promote social and emotional development in their children by teaching them:
    a. kindness
    b. positive interaction
    c. conflict resolution
    d. all of the above
## Answer Key

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