

AP Psychology Possible Midterm FRQs

1. Briefly describe how one neuron transmits an impulse to another neuron using the following terms correctly to describe the process of neural transmission: Axon, action potential, terminal branches of axon, neurotransmitter, synapse, receptor site, dendrite.
2. Dr. Taylor discovers a chemical that is a very effective agonist for serotonin. Briefly explain how this chemical might affect human behavior, and identify the condition Dr. Taylor might treat with this chemical.
3. After a mild stroke, Mr. McGeorge showed some signs of aphasia. What pattern of symptoms would lead you to believe the damage occurred primarily in (a) Broca's area or (b) Wernicke's area,
4. Use the following terms to explain an example of visual perception: sensation, retina, absolute threshold, transduce, top-down processing, feature detector.
5. You have been asked to paint a picture that includes buildings, fields, a river, and a mountain. Describe how you would use at least four monocular cues to give your painting a sense of depth.
6. How would you classically condition a preschool child who is afraid of dogs to enjoy playing with a neighbor's friendly dog? Be sure to identify the US, CS, UR, and CR in your answer.
7. You are the commissioner of a state lottery system that sponsors daily and weekly drawings. Lottery tickets have not been selling well over the past few months. Describe four ways you could take advantage of the power of the availability heuristic and framing to boost sales.
8. Abraham Maslow suggested that "A person who is lacking food, love, and self-esteem would most likely hunger for food more strongly than anything else." Conversely, the novelist Dostoyevski wrote, "Without a firm idea of himself and the purpose of his life, man cannot live even if surrounded with bread." Give evidence that would lead you to support *both* statements.