

Brain is a Computer Quiz Answers

1. Describe how your brain coordinates conscious movement, such as moving your hand to pick up a glass of milk.

The prefrontal cortex decides that it has to pick up the glass. Then, it passes that desire to the primary motor cortex that coordinates the activity. It sends information to the correct muscles to move, and makes them move with the assistance of two other structures: basal ganglia and the cerebellum.

2. How is your brain similar to a computer? Identify which parts of brains and computers implement similar functions?

Both make decisions. Both take inputs from sensors, for example, from touch sensors or finger sensors. Both provide outputs to actuation devices, for example, to move a muscle or a motor.

3. Describe how your brain causes your hand to jerk back when your finger touches a hot object

Sensors on your finger take the information about how hot it is to the spinal cord via nerves (all part of your “nervous system”). The “nervous system” decides that it is too hot and orders the muscles of your hand to pull back the finger.