Year 10 Science: Sensory neurons, motor neurons and the reflex arc

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Which type of neuron carries signals from the spinal cord to a muscle?

2. Name one effector that is a gland and the substance it releases.

3. You step on a sharp shell at the beach and lift your foot. Put these in order: motor neuron, receptor, effector, sensory neuron, spinal cord.

4. Why do you lift your foot before you feel the pain?

5. A student tests reaction time on one friend, once each, before and after an energy drink. Give two reasons the data is not reliable.

Fix the mistake

6. Correct this statement: "Sensory neurons carry the signal to the muscle."

7. Correct this statement: "In a reflex the brain decides very quickly what to do."

8. Correct this statement: "Effectors are always muscles."

9. Correct this statement: "Testing one friend ten times makes the result true for everyone."