

MCQ

H.4.2. Muscle Spindle and Tendon Organ

1. What do muscle spindles, located in skeletal muscles, detect?
 - a) Pressure
 - b) Stretch
 - c) Temperature
 - d) Relaxation

2. When a skeletal muscle is suddenly stretched (= a jerk), then how will the muscle spindle react?
 - a) Gradual increase in action potential frequency
 - b) Gradual decrease in action potential frequency
 - c) Sudden increase in action potential frequency
 - d) Sudden decrease in action potential frequency

3. When a skeletal muscle is suddenly shortened (= a muscle shock), then how will the muscle spindle react?
 - a) Gradual increase in action potential frequency
 - b) Gradual decrease in action potential frequency
 - c) Sudden increase in action potential frequency
 - d) Sudden decrease in action potential frequency

Answers:

- 1) b.
- 2) c.
- 3) d.