

Student Answer:

- ☐ incomplete tetanus
☐ wave summation
☐ treppe
☐ twitch
☒ complete tetanus

Points Received: **1 of 1**

Comments:

30. Question :

During the Cori cycle, in the liver

Student Answer:

- ☐ lactic acid is shuffled to muscle cells.
☒ glucose is produced from lactic acid.
☐ glucose is released from glycogen.
☐ lactic acid is produced from glucose.
☐ lactic acid is produced from pyruvic acid.

Points Received: **1 of 1**

Comments:

31. Question :

The following is a list of the events that occur during a muscle contraction.

1. Myosin cross-bridges bind to the actin.
2. The free myosin head splits ATP.
3. Calcium ion is released from the sarcoplasmic reticulum.
4. The myosin head pivots toward the center of the sarcomere.
5. Calcium ion binds to troponin.
6. The myosin head binds an ATP molecule and detaches from the actin.

The correct sequence of these events is

Student Answer:

- ☒ 3, 5, 1, 4, 6, 2.
☐ 3, 5, 1, 2, 4, 6.
☐ 1, 3, 5, 4, 6, 2.
☐ 5, 1, 4, 6, 2, 3.
☐ 1, 4, 6, 2, 3, 5.

Points Received: **1 of 1**

Comments:

32. Question :

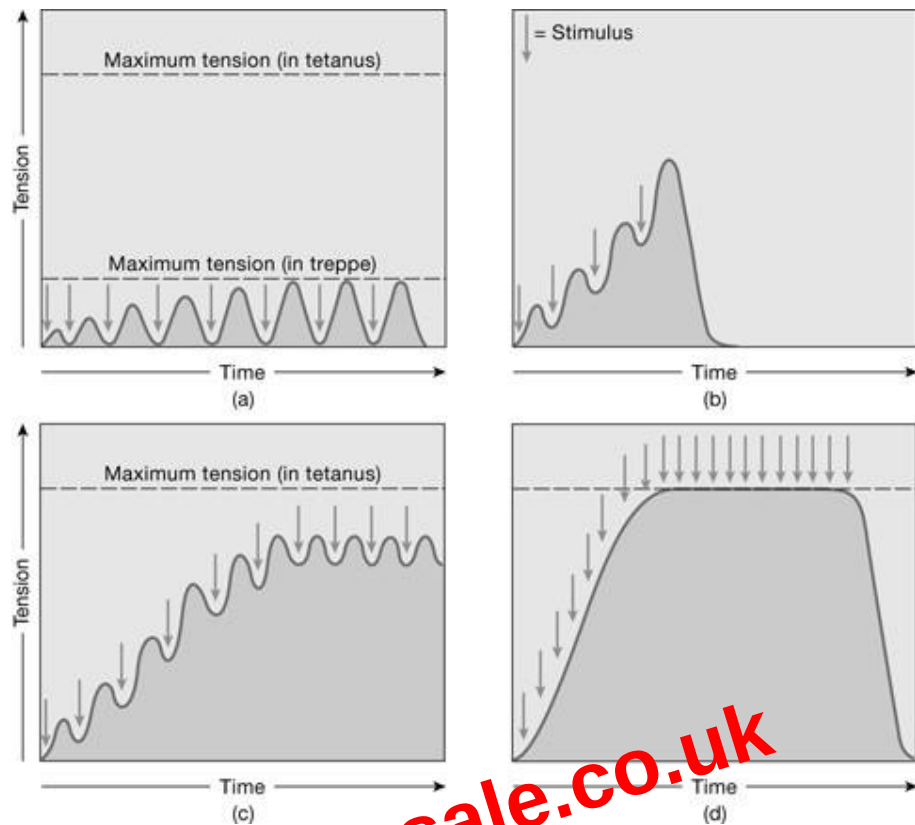


Figure 10-2 Muscle Contractions

Use Figure 10-2 to answer the following questions:

To produce a contraction similar to the one in graph (b), the muscle

Student Answer:

- ☐ is excited by a stimulus of increasing intensity.
- ☒ must be stimulated again before it has relaxed from the previous stimulation.
- ☐ is caused to produce isolated twitches.
- ☐ must be stimulated to the point of fatigue.
- ☐ gradually warms up.

Points Received:

1 of 1

Comments:

44. Question :

Student Answer:

When calcium ion binds to troponin,

- ☐ myosin shortens.
- ☒ tropomyosin moves into the groove between the helical actin strands.
- ☐ active sites on the myosin are exposed.
- ☐ muscle relaxation occurs.
- ☐ actin heads will bind to myosin.

Points Received:

1 of 1

Comments:

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