

9 Weeks, Week 2.2-2.3 Warm-up 5

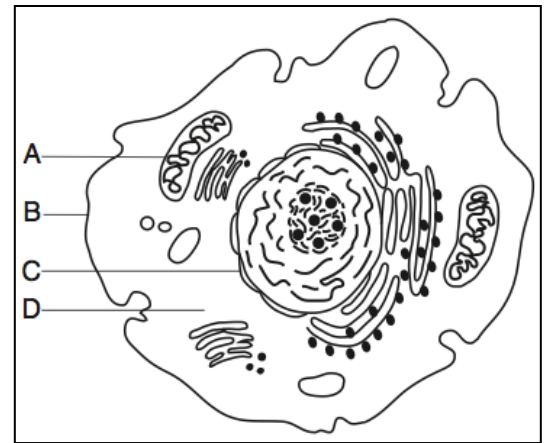
Directions: Answer the following questions using your notebooks, and provide a justification for each question.

1. When a cyclist rides up a steep hill, the cyclist's circulation and breathing rate increases, allowing a greater amount of oxygen to reach the cyclist's muscles. In order to generate energy from this extra oxygen, skeletal muscle must contain a greater number of a certain cell part than other tissues. Which of the following organelles is more numerous in muscles than in other tissues?
 - a. golgi bodies
 - b. lysosomes
 - c. mitochondria
 - d. ribosomes

Justification –

2. In the diagram below, which letter indicates the part of the cell that controls cell activities?
 - a. A
 - b. B
 - c. C
 - d. D

Justification –



3. Which cell structure is correctly paired with its primary function?
 - a. mitochondrion–movement
 - b. nucleus–storage of nutrients
 - c. ribosome–protein synthesis
 - d. vacuole–cell division

Justification –

9 Weeks, Week 2.2-2.3 Warm-up 5

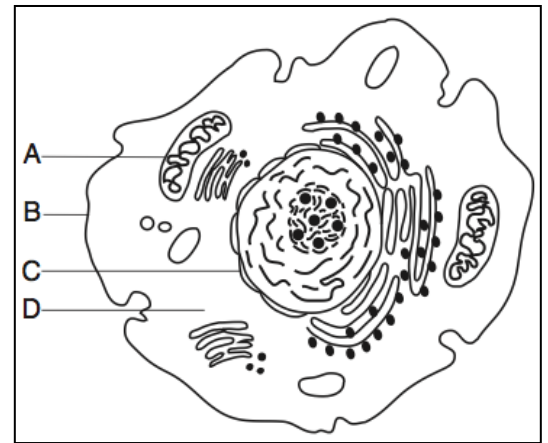
Directions: Answer the following questions using your notebooks, and provide a justification for each question.

1. When a cyclist rides up a steep hill, the cyclist's circulation and breathing rate increases, allowing a greater amount of oxygen to reach the cyclist's muscles. In order to generate energy from this extra oxygen, skeletal muscle must contain a greater number of a certain cell part than other tissues. Which of the following organelles is more numerous in muscles than in other tissues?
 - a. golgi bodies
 - b. lysosomes
 - c. mitochondria
 - d. ribosomes

Justification –

2. In the diagram below, which letter indicates the part of the cell that controls cell activities?
 - a. A
 - b. B
 - c. C
 - d. D

Justification –



3. Which cell structure is correctly paired with its primary function?
 - a. mitochondrion–movement
 - b. nucleus–storage of nutrients
 - c. ribosome–protein synthesis
 - d. vacuole–cell division

Justification --