

Cells and Systems

Topic 3 - The Cell and Its Structure Practice Quiz

1. Many single-celled (unicellular) organisms have different ways of moving, obtaining food and carrying out other essential functions for living. Structures, that unicellular organisms, such as a euglena, or a chlamydomonas have for movement are called ...

flagella

cytoplasm

stentor

diatoms

2. In the sample of pond water you may have studied, the amoeba moves by changing its shape. It pushes its cytoplasm against one part of its cell membrane, causing a bulge. This bulge is called a ...

pseudomym

pseudoplasm

false front

false foot

3. A typical plant cell viewed under a compound light microscope reveals the many different parts that have different functions. The part of the cell which surrounds and protects the contents of the cell is called the ...

nucleus

cytoplasm

cell membrane

vacuole

4. The chloroplasts of a plant cell have a very specialized function. They are the structures where ...

food is transported to other parts of the cell

photosynthesis takes place

food is stored by the cell until it is needed

energy for reproduction is released

5. Cells are various sizes and shapes. They are normally measured in units called ...

nanometers

micrometer

minimeters

macrometer

Check your

Answers

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flagella (Text p. 115) Figure 2.5

cytoplasm

stentor

diatoms

2. In the sample of pond water you may have studied, the amoeba moves by changing its shape. It pushes its cytoplasm against one part of its cell membrane, causing a bulge. This bulge is called a ...

pseudomym

pseudoplasm

false front

false foot (Text p. 117) Diagram of the amoeba the bulge is called a *false foot* (pseudopod)

3. A typical plant cell viewed under a compound light microscope reveals the many different parts that have different functions. The part of the cell which surrounds and protects the contents of the cell is called the ...

nucleus

cytoplasm

cell membrane (Text p. 122) ANIMAL CELL (A)

vacuole

4. The chloroplasts of a plant cell have a very specialized function. They are the structures where ...

food is transported to other parts of the cell

photosynthesis takes place (Text p. 123) PLANT CELL (F)

food is stored by the cell until it is needed

energy for reproduction is released

5. Cells are various sizes and shapes. They are normally measured in units called ...

nanometers

micrometers (Text p. 126) Cells are measured in micrometers (um)

minimeters

macrometers