

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

**Cells Structure & Function Defense Questions: Regular Biology**  
**Question Set 1**

Directions: Answer the following questions. You MUST get all 4 correct or you will have to study your work again and “re-defend”. You must get your next set of questions all correct or you will have to choose a different option for Cell Structure & Function to complete.

Level A

1. Which organelle synthesizes proteins?
  
2. What is the function of the cell membrane?

Level B

3. You are looking at a specimen under a microscope. You see several green structures and multicellular tissue. Are you looking at plant, animal or bacteria cells?
  
4. What type of cells in the body are likely to have more mitochondria present than other body cells?

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**Cells Structure & Function Defense Questions: Regular Biology**  
**Question Set 2**

Directions: Answer the following questions. You MUST get all 4 correct or you will have to study your work again and “re-defend”. You must get your next set of questions all correct or you will have to choose a different option for Cell Structure & Function to complete.

Level A

1. List 3 organelles that are found in plant cells and not animal cells.
  
2. What is the function of lysosomes?

Level B

1. You are told that the cells on a microscope slide are plant, animal or bacterial. You look at them through a microscope and see cell walls and membrane-bound organelles. You conclude that you are looking at which type of cell?
  
2. What function do ribosomes and endoplasmic reticulum have involving proteins?

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**Cells Structure & Function Defense Questions: Regular Biology**  
**Question Set 3**

Directions: Answer the following questions. You MUST get all 4 correct or you will have to study your work again and “re-defend”. You must get your next set of questions all correct or you will have to choose a different option for Cell Structure & Function to complete.

Level A

1. Name two organelles that provide energy for cells and give the cell types each is found in.
2. Where are proteins made?

Level B

1. You are told that the cells on a microscope slide are plant, animal or bacterial. You look at them through a microscope and see cell walls but no membrane-bound organelles. You conclude that you are looking at which type of cell?
2. Explain how lysosomes “clean” cells.

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**Cells Structure & Function Defense Questions: Regular Biology**  
**Question Set 4**

Directions: Answer the following questions. You MUST get all 4 correct or you will have to study your work again and “re-defend”. You must get your next set of questions all correct or you will have to choose a different option for Cell Structure & Function to complete.

Level A

1. List 2 organelles that are involved in the transport of molecules into or within the cell.
2. Which cellular structure provides support for both plant cells and bacterial cells?

Level B

3. You are told that the cells on a microscope slide are plant, animal or bacterial. You look at them through a microscope and see no cell walls and membrane-bound organelles. You conclude that you are looking at which type of cell?
4. You are asked to do research on two organelles. You forgot which two you were assigned but then you remembered they both had their own copy of DNA inside them. What two organelles are you researching?