

Name \_\_\_\_\_ period \_\_\_\_\_

## 7<sup>th</sup> Grade DO NOW

7.12D Differentiate between structure and function in plant and animal cell organelles

Date \_\_\_\_\_

A student prepared the following list of characteristics about a cellular organelle. They are present in animal and plant cells and help make energy available to the cell. State which cellular structures the student is describing.

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

\_\_\_\_\_

\_\_\_\_\_

4. Answer the question in the space below.

Date \_\_\_\_\_

All of the organelles in a cell have a specific function to perform. Plant cells have chloroplasts that make the food during photosynthesis. What function does the nucleus perform?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

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4. Answer the question in the space below.

Date \_\_\_\_\_

The primary function of the cell membrane is to keep the organelles inside the cell. The cytoplasm is the jelly-like material that all the organelles float in.

State the primary function of the vacuole.

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

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4. Answer the question in the space below.

Date \_\_\_\_\_

Mike examines a single cell. It contains mitochondria, chloroplasts, a large vacuole and a nucleus. What is the best conclusion for Mike to draw about the cell?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

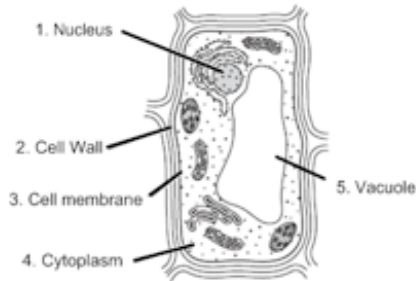
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4. Answer the question in the space below.

Date \_\_\_\_\_

Plant cells have different organelles than animal cells. Animal cells tend to be many shapes, while plant cells tend to be just one shape. According to the diagram below, which cell structure keeps the cell in the rectangular shape?



1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

4. Answer the question in the space below.

C L L E C L A M I N A A M C X  
H M Q L P V Q V U E I W S E I  
L P V F E M A A L R E S A L Y  
O U U O O C P L D M G I L L X  
R D Z H U U E N K O O H P W J  
O T L O R N O D R A E C O A H  
P S L S A H T V M I H I T L B  
L E B G C E F E N R Q R Y L N  
A Q R O U T W C O J P X C M Y  
S O T C E L L M E M B R A N E  
T I D B M R O B J W Y G G B A  
M E F E X S P L A N T C E L L

ANIMALCELL  
CHLOROPLAST  
MITOCHONDRIA  
PLANTCELL

CELLMEMBRANE  
CHROMOSOME  
NUCLEUS  
VACUOLE

CELLWALL  
CYTOPLASM  
ORGANELLE