

Plant & Animal Cell Quiz

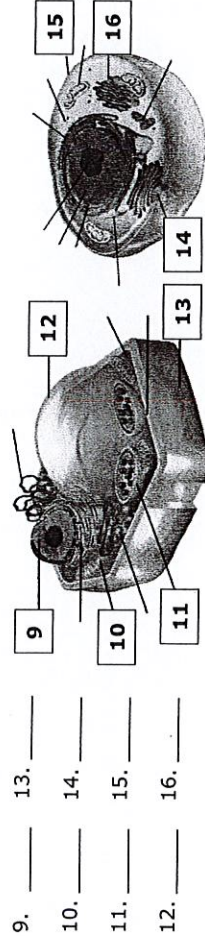
Multiple Choice. Select the BEST answer from the choices below.

- The organelle found in some plant cells where photosynthesis takes place is the
 - Mitochondria
 - Chloroplast
 - Golgi Body
- Transport processes are vital to every cell. Which transport process below allows glucose, salt, potassium and other important nutrients across the cell membrane into the cell?
 - Diffusion
 - Precipitation
 - Osmosis
- What organelle used for storing water, food and waste, do you find many of in animal cells, but only one of in plant cells?
 - Vacuole
 - Nucleus
 - Ribosomes
 - Chloroplast.
- Complete the analogy. The president is to a nucleus as his secret service is to a...
 - Cell wall.
 - Mitochondria.
 - Chloroplast.
- What super intricate transport system would lipids and proteins hop on in order to get around inside the cell?
 - Endoplasmic reticulum
 - Cytoplasm
 - Golgi body
- Which organelle is most likely to assist in getting rid of waste?
 - Cell wall
 - Lysosome
 - Cytoplasm
- What do all cells have in common?
 - They all have the same shape.
 - They all make their own food.
 - They all have cytoplasm.
- What is one thing that plant and animal cells do not have in common?
 - Cell wall
 - Mitochondria
 - Nucleus

Label. Label the structures below using the words in the word bank.

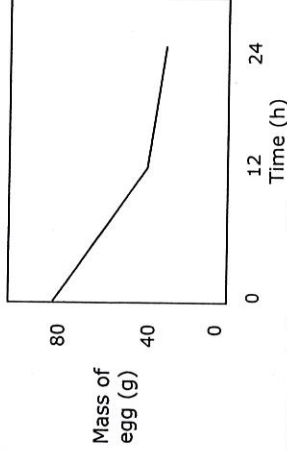
Word Bank

- | | | | |
|---------------------------------|----------------------|------------------------|---------------------|
| A. Cell membrane | D. Nucleus | F. Mitochondria | H. Ribosomes |
| B. Endoplasmic reticulum | E. Golgi body | G. Vacuoles | I. Cell wall |
| C. Chloroplast | | | |



Quiz - Plant & Animal Cells 12-13 A

The graph below shows the before and after measurement for the mass of an egg placed in syrup.

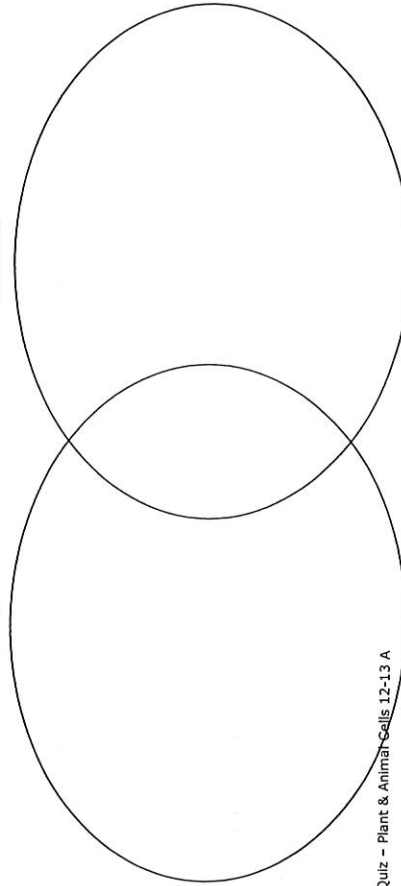


- The change in the mass of the egg is most likely caused by the loss of water which is called
 - infusion
 - diffusion
 - osmosis
- The egg gives up water because the cell membrane chooses to let it out. This is due to the fact that cell membranes are
 - transparent
 - co-transport
 - selectively permeable
- If this graph were to continue for the next 24 hours (for a total of 48 hours), what would you predict to happen?
 - The mass will continue to decrease until all the water leaves the egg.
 - The mass will start to go up again because the egg will begin taking in the syrup.
 - The line will level off (plateau) because equilibrium will be reached.
 - As long as the egg is in the syrup, the mass will continue to rise by a few grams until the egg cell dies.

20. Compare and contrast plant and animal cells in the Venn Diagram below. You must include **TWO** items in **EACH** area of the Venn Diagram.

PLANT

ANIMAL



Quiz - Plant & Animal Cells 12-13 A