


| Science | Cellular Transport | Lab equipment | Cell Organelles | Photosyn Cellular respiration |
|---------|--------------------|---------------|-----------------|-------------------------------|
| 200     | 200                | 200           | 200             | 200                           |
| 400     | 400                | 400           | 400             | 400                           |
| 600     | 600                | 600           | 600             | 600                           |
| 800     | 800                | 800           | 800             | 800                           |
| 1000    | 1000               | 1000          | 1000            | 1000                          |


Smallest unit of living things

What is a cell?




Maintaining a stable internal environment

What is homeostasis?




Part of an experiment that doesn't change

What is a control?



Part of an experiment that changes

What are variables?



List the steps of the scientific method

Observation  
hypothesis  
experimentation  
analysis of data  
conclusion

Diffusion of water across a selectively permeable membrane



What is osmosis?

Concentration gradient across a semi-permeable membrane where molecules move from an area of high concentration to an area of low concentration.

What is passive transport?



What type of solution will cause a cell to burst

What is hypotonic solution (pure or DI water)?

What will happen when a cell is placed in a sugar solution?



What is shrink b/c water left the cell by osmosis ?



Type of transport where energy is used to move molecules from an area of low concentration to high concentration

What is active transport?



What is a test tube?



What is a flask?



What is a beaker?



- What type of glassware is MOST appropriate for growing bacteria on a solid nutrient agar?

What is a petri dish?

- What type of glassware would be used to accurately determine the volume of a marble?

What is a graduated cylinder?

Regulates what enters and leaves the cell

What is the cell or plasma membrane?

Organelle that converts food to energy

What is the mitochondria?

Stores water and minerals

What is the vacuole?



Parts of the membrane are made here and is the site of chemical reactions.

What is the ER



Site of protein synthesis

What are ribosomes?



Which factor does not affect the process of photosynthesis?  
a. Light intensity  
b. Water availability  
c. Nitrogen concentration  
d. Temperature fluctuation

What is nitrogen concentration?



What is the equation for photosynthesis?

What is carbon dioxide + water → glucose + oxygen?



Cellular Respiration equation

What is glucose + oxygen →  
water+ carbon dioxide

**DAILY DOUBLE**  
Which two substances are  
products of cellular respiration?



What is carbon dioxide and  
oxygen?



What are the reactants in cellular  
respiration?

What is sugar and oxygen?

