

Name _____

Cells Part 2: Remediation

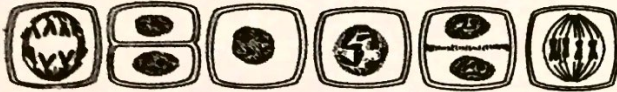
Use your notebook and a textbook to complete this remediation sheet.

Energy

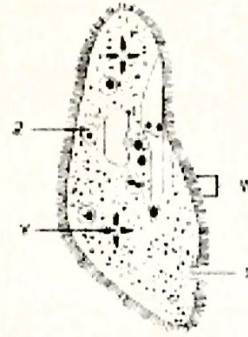
1. Compare and contrast autotrophs and heterotrophs.
2. Write the equation for photosynthesis. Circle reactants and underline the products that are made.
3. The list on the left are the reactants needed for photosynthesis. Match each reactant with the plant structure that provides that reactant.

A. Water	1. Stoma
B. Sunlight	2. Roots
C. Carbon Dioxide	3. Chloroplasts in leaves
4. Write the equation for respiration. Circle reactants and underline the products that are made.
5. What types of organisms carry out cellular respiration?
6. What reactant in the equation that determines if respiration is aerobic or anaerobic.
7. True/False: Aerobic respiration is more efficient because it makes more ATP than anaerobic respiration.

Cell Cycle



- a. Circle the cell that is in Interphase. What are the three steps of interphase?
- b. Put the cells in order of the cell cycle starting with interphase.
- c. What is the disease that is caused from an uncontrolled cell cycle?



Cell Specialization

1. This is a paramecium. It is a single-celled organism that has specialized organelles.
 - a. What are the little hairs labeled 'W'? What is their special function?
 - b. 'Y' is a contractile vacuole. What is the special function of the contractile vacuole? *look back at your cell specialization activity. We watched this in a video*
2. Look at your pink organelle foldable and give the function of the following organelles.
 - a. Mitochondria
 - b. Chloroplast
 - c. Eyespot
 - d. Flagella
 - e. Centrioles
 - f. Pseudopods
3. Explain how DNA and cell specialization are related.