



STUDY GUIDE

F-10



Cell Processes — Quiz on Tuesday!

Vocabulary to Know

Photosynthesis - The process in which some organisms use water along with sunlight and carbon dioxide to make their own food.

Respiration - The process by which cells use oxygen and break down food to release energy, carbon dioxide, and water

Mitosis - A form of cell division

What you need to know about PHOTOSYNTHESIS...

- ♦ The raw materials (reactants) are carbon dioxide, water, and sunlight.
- ♦ The products are oxygen and sugar (glucose)
- ♦ ➡ means YIELDS

OPPOSITES

What you need to know about RESPIRATION...

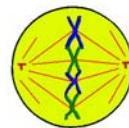
- ♦ The raw materials (reactants) are oxygen and sugar
- ♦ The products are carbon dioxide, water, and energy
- ♦ ➡ means YIELDS

Photosynthesis - Carbon Dioxide + Water + Sunlight (energy) ➡ Oxygen and Sugar

Respiration - Oxygen + Sugar ➡ Carbon Dioxide + Water + Energy



What you need to know about MITOSIS!



- Know the order of the stages (*I will not be asking the names - I will just give you the pictures*)
- Know that the original cell is called the _____ cell.
- Know that the cells that result from the division are called _____ cells.
- Know that parent and daughter cells have the _____ number of chromosomes.

Bonus: Name the six stages of Mitosis in order, **spelling counts**.