

Name: _____

Period: _____

Cell Energy Review

Why is ATP necessary in cellular functions? _____.

Use the analogy of a battery to explain how energy is stored and released from ATP. _____

_____.

Complete the following chart:

	Cellular Respiration	Photosynthesis
Reactants		
Products		
Which organelle does this occur in?		
In what type of organisms? (Plants, animals or both)		

Complete the following chart:

	Lactic Acid Fermentation	Alcoholic Fermentation
Where does it take place?		
Products		

Photosynthesis requires energy from the _____.

What is the “food” that plants must make through photosynthesis? _____.

Since plants can make their own food, they are called _____.

How is chlorophyll important to photosynthesis? _____

Why are plants so important to us? (Think about what they make that we MUST have!)

True or False: The leaves of a plant appear green because chlorophyll reflects green light.

Write the equation for **photosynthesis** below. **CIRCLE** the most important product.

_____ + _____ + _____ → _____ + _____

Write the equation for **cellular respiration** below. **CIRCLE** the most important product.

_____ + _____ → _____ + _____ + _____

How are cellular respiration and photosynthesis related to each other?

