

CHAPTER 7.1: Respiration Overview

1. Define the following terms:

a. autotroph _____

b. heterotrophs _____

c. digestion _____

d. catabolism _____

e. aerobic respiration _____

f. anaerobic respiration _____

g. fermentation _____

2. In what bonds is the chemical energy stored in fats and in carbohydrates?

3. How is energy stored in chemical bonds?

4. How does ATP drive endergonic reactions? How does ATP function in "coupled reactions"?

5. Define each of the following:

a. oxidation _____

b. reduction _____

Name: _____

Note Set 16

6. What are the roles of NAD^+ & FAD^{+2} in respiration?

7. List the four stages of cellular respiration:

- a. _____
- b. _____
- c. _____
- d. _____