Section 8.2 NOTES – Photosynthesis and Cellular Respiration

PHOTOSYNTHESIS

1. What is photosynthesis?

2. What are the reactants of photosynthesis?

3. What are the products of photosynthesis?

4. Where does photosynthesis take place?

5. Where does the source of energy come from for photosynthesis?

6. Light is part of a collection of waves known as the __________________________.

7. List the waves in order from lowest energy to highest energy.

8. How do we experience the energy of light?


10. What is the main pigment used in photosynthesis?

11. What color(s) of light does chlorophyll mostly absorb?

12. What color(s) of light does chlorophyll reflect?
CELLULAR RESPIRATION

13. What is cellular respiration?

14. What are the reactants of cellular respiration?

15. What are the products of cellular respiration?

16. Where does cellular respiration take place?

17. What is the name of the energy molecule produced during cellular respiration?

HOW ARE PHOTOSYNTHESIS AND CELLULAR RESPIRATION RELATED?

18. a. Write the equation for photosynthesis.

   b. Write the equation for cellular respiration.

   c. Look at your answers to (a) and (b). What do you notice about them?