

Photosynthesis and Ocean Acidification Review

1. What is photosynthesis?
2. Write the equation for photosynthesis. Label the REACTANTS and the PRODUCTS.
3. Why is photosynthesis important for autotrophs? Heterotrophs?
4. Think about the Waterweed Simulation. What are 3 factors that affect the rate of photosynthesis?
5. Where does photosynthesis take place in the cell?
6. What is the pigment that absorbs light for photosynthesis?
7. Which zone does the most photosynthesis take place in? Why?

8. What is ocean acidification (OA)?

9. What are we (humans) doing that is increasing the rate of OA?

10. Does OA happen more in cold or warm water?

11. What does carbon dioxide form when mixed with water?

12. How is OA harming shelled organisms and coral?