

Ocean Zones Scavenger Hunt

Directions: Using the resources listed on the whiteboard, answer the following questions. **Make sure to put the source, page number & paragraph number of your answer under the question.**

EQ: What physical and biological factors affect how aquatic life is distributed in the ocean?

1. What is a thermocline? (p. __, par. __)

2. What is a CTD Device and what information does it detect? (pg. __, par. __)

3. What causes a thermocline to occur? (pg. __, par. __)

4. Describe why it makes sense to call the Global Conveyor Belt current a Thermohaline Circulation. (pg. __, par. __)

5. What is upwelling and why is it important to marine life? (pg. __, par. __)

6. How long would it take for one drop of water to travel the entire Global Conveyor Belt? (pg. __, par. __)

7. Why do red organisms appear to be gray underwater? (pg. __, par. __)

8. How deep is the photic zone? (pg. __, par. __)

9. What factors influence how deep the photic zone penetrates? (p. __, par. __)

10. What is bioluminescence? (pg. __, par. __)

11. Name 2 animals that breathe at the surface, but dive to great depths, then explain what adaptations they have that allow them to do this without dying. (pg. __, par. __)