**Oceanography Guided Reading Questions Part 1:**

You may type your answers directly on this document. Please make sure you head your paper accordingly. Your heading should have your first and last name and class period. Write in complete sentences. If you need to handwrite your questions please make sure you label each section and number your responses.

**Reading Review Questions:**

**Introduction to Oceans**

1. Describe how the oceans influence Earth’s atmosphere.

2. What is the makeup of ocean water?

3. Describe how ocean water changes as you go deeper in the water.

**Ocean Movements:**

1. Identify two causes of ocean waves.

2. What factors determine how big a wave is?

3. What is the Coriolis effect?

4. Define density. How is the density of water related to its temperature?

5. Describe upwelling. How does it occur?

**Points to Consider:**

Most nutrients enter ocean water from the land. However, they may be carried far from shore by currents.

* Many large ocean currents have names. Can you name any ocean currents?
* Currents are like rivers flowing through the ocean. Rivers always flow downhill because of gravity. What do you think causes ocean currents to flow?

Upwelling brings nutrients to the surface from the ocean floor. Nutrients are important resources for ocean life. However, they aren’t the only resources on the ocean floor.

* What other resources do you think might be found on the ocean floor?
* It’s hard to get resources from the ocean floor. Can you explain why?

**Oceanography Guided Reading Questions Part 2:**

**Ocean Floor**

1. Why is it difficult to study the deep ocean floor?

2. What is sonar? How can it be used to study the seafloor?

3. What are some of the resources our oceans possess? Please provide examples of living and nonliving resources.

**Ocean Life**

1. Define marine organism.

2. What are phytoplankton and zooplankton?

3. Why do phytoplankton live in the photic zone?

4. Define nekton.

5. Where do benthos live?

**Points to Consider:**

Many organisms live on the ocean floor. Others live elsewhere in the ocean.

* Where else do organisms live in the ocean?
* How might organisms that live on the ocean floor differ from those that live in other parts of the ocean?

This chapter describes how the oceans influence Earth’s atmosphere.

* What else do you know about the atmosphere? For example, what gases does it contain?
* The ocean is divided into zones. Do you think the atmosphere is divided into zones as well?