

Earth Science Chapter 14: Exploring the Ocean

*Answer the following questions. Answers that cannot be read will be counted as incorrect.*

1. What does SCUBA mean?

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2. What is sonar? What does it stand for?

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3. What is the abyssal plain? Where is it located?

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4. Define the three ocean zones?

A. intertidal zone

B. neritic zone

C. open-ocean zone

Earth Science Chapter 14: Ocean Habitats

Fill in the tables below. Answers that cannot be read will be counted as incorrect.

Category of life	Definition	Example
Plankton		
	Free-swimming animals that can move throughout the water column	
		Crabs, sea stars, octopus, lobster, sponges, sea anemones

Ocean Zone	Habitats or environments in that zone
Intertidal Zone	
	Coral Reefs Kelp Forests
	Surface Zone Transition Zone Deep Zone Hydrothermal Vents



## Earth Science Chapter 14: Study Guide

### Section 1

- Vocabulary

Sonar

Abyssal plain

Intertidal zone

Continental shelf

Mid-ocean ridge

Neritic zone

Continental slope

Trench

Open-ocean zone

- Know why people studied the ocean in ancient times
- Know what modern scientists are studying about the ocean
- Know what SCUBA and sonar stand for, what their purposes are, and why they were invented
- Know what you would see if you traveled along the ocean floor and their approximate locations on the ocean floor
- Know the three ocean zones

### Section 2

- Vocabulary

Plankton

Food web

Bioluminescence

Nekton

Estuary

Hydrothermal vents

Benthos

Atoll

- Know the three classifications of living organisms in the ocean and examples of each
- Know the types of relationships (producer, consumer and decomposer) that exist between marine organisms
- Know how a food web works and its importance
- Know the conditions of the intertidal zone
- Know the six locations explained in the intertidal zone and their characteristics
- Know the conditions of the neritic zone
- Know the two locations explained in the neritic zone and their characteristics
- Know the conditions of the open ocean
- Know the four locations explained in the open ocean and their characteristics

### Section 3

- Vocabulary

Aquaculture

Nodule

- Know why we depend on living resources from the oceans
- Be able to describe the three types of living resources that we obtain from the oceans
- Know why we depend on nonliving resources from the oceans
- Be able to describe the three types of nonliving resources that we obtain from the oceans
- Know what ocean pollution is and where that pollution comes from
- Be able to give examples of the types of ocean pollution
- Be able to describe how we are protecting the oceans