

Chapter 14 The Ocean Floor

Section 14.1 The Vast World Ocean

This section discusses how much of Earth is covered by water and how that water is studied.

Reading Strategy

Building Vocabulary As you read the section, define each term in the table in your own words. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

Vocabulary Term	Definition
oceanography	a.
bathymetry	b.
sonar	c.
submersible	d.

The Blue Planet

- Is the following sentence true or false? The science of oceanography includes the study of the geological, chemical, physical, and biological characteristics of the world ocean. _____
- 👉 Circle the letter of the percentage of Earth’s surface covered by the global ocean.
 - a. 11 percent
 - b. 29 percent
 - c. 71 percent
 - d. 99 percent

Geography of the Oceans

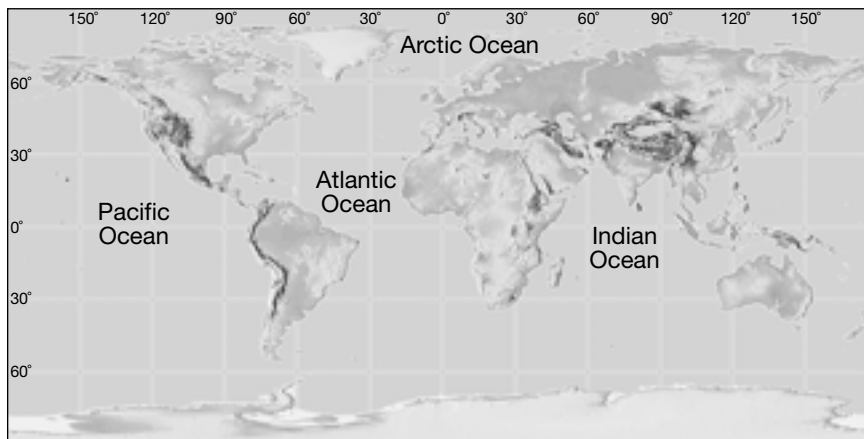
Match each description with its ocean.

Description	Ocean
_____ 3. shallowest ocean	a. Pacific
_____ 4. located almost entirely in the Southern Hemisphere	b. Atlantic
_____ 5. about half the size of the Pacific	c. Indian
_____ 6. largest and deepest ocean	d. Arctic

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7. Using the following map, list the names of Earth’s four main ocean basins from smallest to largest.

- a. _____
- b. _____
- c. _____
- d. _____



8. Looking at the map, what ocean(s) does 0° longitude intersect?

9. Look at the map and then circle the letter of the location of the Indian Ocean.

- a. 1°N 1°W
- b. 30°N 30°W
- c. 30°S 150°W
- d. 30°S 90°E

Mapping the Ocean Floor

10. Is the following sentence true or false? The ocean floor’s topography is much less diverse than that of the continents.

11. What do scientists call the charting of the ocean floor and the measurement of its depths? _____

12. Electronic depth-sounding equipment called _____ allowed scientists in the 1920s and later to precisely measure ocean depth.

13. How are satellites used to measure ocean surface height?

14. Is the following sentence true or false? Submersibles make it possible for scientists to collect data from areas of the ocean that were previously unreachable. _____