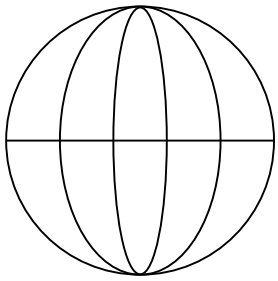
Lesson 10

Oceans

How Much is That?

Seven-tenths of the world is covered with water. Color in 7/10 of the globe.



Scientists estimate there are 50 quadrillion tons of salt in the ocean. How do you write that number?

_____

Name Scramble:

Unscramble the name of each ocean and match it with its description.

1. The largest ocean
2. The smallest ocean
3. The coldest ocean
4. The ocean between the US and Europe

a. nidina

b. iccrat

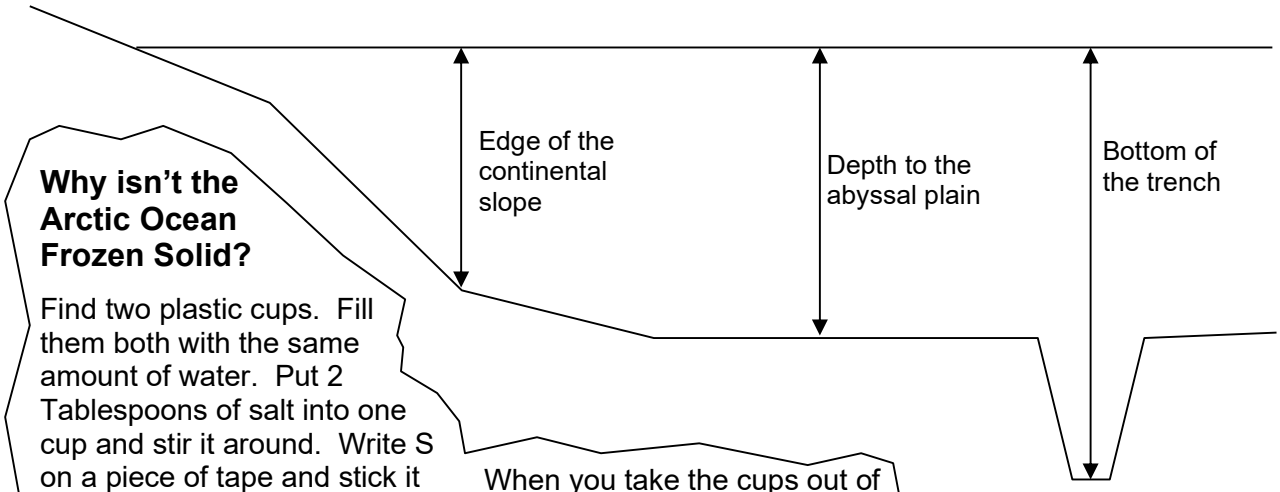
c. clanitat

d. faccipi

Measuring the Ocean:

The drawing below is a profile of the ocean floor. Use a ruler to measure the depths. Change your measurements to the actual depth by multiplying by 2000.

Scale: 1 inch = 2000 feet.



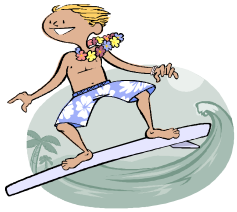
Why isn't the Arctic Ocean Frozen Solid?

Find two plastic cups. Fill them both with the same amount of water. Put 2 Tablespoons of salt into one cup and stir it around. Write S on a piece of tape and stick it on the cup. Put both cups in the freezer for one day.

When you take the cups out of the freezer, what difference do you notice between the cups?

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Exploring the Deep Blue Sea



There is so much to explore in the ocean. Read pp. 485 - 493 of Space and Earth Book B, and answer the questions to find out more!

1. What to the letters in the word "S.O.N.A.R." stand for?

2. Explain how echo sounding works.

3. Why is it difficult to study the entire world ocean system?

4. How are ocean trenches formed?

5. What is coral? How do they make a reef?

6. Where is the largest coral reef in the world?

7. What is an atoll? How is it formed?

8. What are two ways in which chemicals can be removed from the ocean's waters?

9. What is the primary mineral found in seawater?

10. What is dissolved in seawater besides minerals?

11. What is the process of removing salt from seawater called?

12. Describe two methods for removing salt from seawater.

13. Is there more oxygen near the top surface of the ocean, the bottom of the ocean, or is the oxygen level uniform throughout?

Really Amazing Freebie!

Go to **www.geomapapp.org** and download the GeoMapApp software. You can use this to explore the sea floor on your very own computer. Zoom in, zoom out, move around, make your own maps! It's awesome!!

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