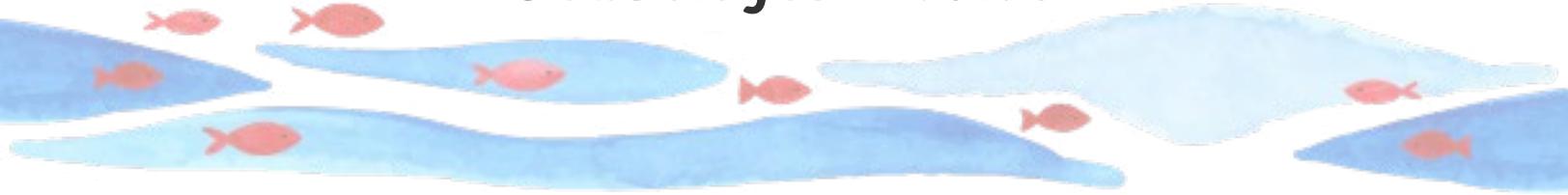


ALL ABOUT OCEANS

Scavenger Hunt



What lurks beneath the shimmering surface of the world's oceans? What mysteries have scientists explored from their study of marine life? Find answers to these questions and more in our All About Oceans Scavenger Hunt. For each question, click the link to explore the information online. Then, record your answer on the Scavenger Hunt worksheet below.

1. Like a giant cake, the ocean is made up of layers, with each layer supporting different kinds of sea life. At the very bottom is the "abyss." What are the other three zones? <http://www.amnh.org/explore/ology/marine-biology/what-s-the-big-idea-about-marine-biology2>

Need a hint? http://www.amnh.org/ology/features/bigideas_ocean/index5.php

2. Many marine organisms are bioluminescent, which means they emit light—just like a firefly does. What percentage of deep-sea marine life produces bioluminescence in some form? <http://academickids.com/encyclopedia/index.php/Bioluminescence>

3. Orcas, or killer whales, are considered "apex predators." What does that mean? <http://www.bing.com/search?q=apex+predator+orca>

4. How does echolocation help marine mammals like orcas and dolphins? <http://www.bing.com/search?q=animal+echolocation>

5. How many oceans are there on Earth according to the National Oceanic and Atmospheric Administration (NOAA)? Can you name them all? <http://oceanservice.noaa.gov/facts/howmanyoceans.html>

6. Why is the ocean blue? <http://oceanservice.noaa.gov/facts/oceanblue.html>
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7. Which of the following words or features do not describe jellyfish?
Gelatinous, umbrella-shaped, stinging tentacles, scaly, bony, free-swimming, brainy
<http://www.bing.com/search?q=jellyfish+facts>
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8. Coral reefs are like multicolored apartment buildings in the sea where many different organisms grow and live. What is the name of the microscopic algae that feed coral, give them oxygen, and make them turn an array of different colors?
<http://kids.nceas.ucsb.edu/biomes/coralreef.html>
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9. To date, we have explored less than 5 percent of the ocean. One of the pioneers of marine research and exploration was Jacques-Yves Cousteau. Name at least one device he invented to aid in deep-sea exploration?
<http://www.bing.com/search?q=jacques+cousteau>
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10. Scientists collecting geological samples 4,000 meters under the sea off the coast of Hawaii discovered an octopus that they think might be a new species. What is the name of this ghost-like animal?
<http://www.bing.com/search?q=new+octopus+species+hawaii>
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Bonus: Want to see what it might be like to operate a remotely operated underwater vehicle (ROV)? Check out this fun game!
http://pbskids.org/dragonflytv/games/game_rov.html

