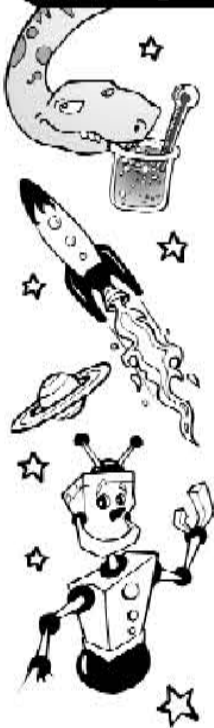


Today in



we learned all about...

## Life in the Sea



- We learned that the ocean covers most of the Earth and that many plants and animals live under water.
- We learned that the water in the ocean is salty and it is easier to float in salt water than in fresh water, like the water in lakes.
- We learned that the ocean had many different layers and that the deepest layers are cold and dark. Animals can adapt to living in different parts of the ocean.
- We saw that some fish have an organ called a swim bladder which helps fish to move up and down in the water.
- We tried an experiment to learn how animals eat in the ocean. Baleen whales eat tiny plankton that they strain in their mouths. Toothed whales grab their food with their teeth and swallow them whole.
- We made a Cartesian diver to take home, it is something that floats or sinks depending on its density, or how heavy it is.

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LET'S TRY THIS AT HOME!



## Fabulous Floating



**You Need:** Half of one lemon, a saucer, water, a spoon, two cotton swabs, paper and an adult.

- 1 Fill the glass halfway with water.
- 2 Carefully put the egg into the water. What happens? It should sink to the bottom of the glass.
- 3 Leave the egg in the glass and add some salt to the glass and stir. Keep adding salt until the egg floats.
- 1 For an extra challenge, add more water to the glass by letting it trickle along the side of the glass by using a *clean* spoon. If you did it properly, you should see the egg float between the layer of salt water and the layer of the fresh water.

**Explanation:** Salt water has a greater density than an equivalent amount of fresh water. The egg floats in the salt water because the egg's density is less than the density of the salt water. The egg floats between a layer of salt water and a layer of fresh water but is supported by the denser salt water.



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