

MISSION CONSERVATION ACTIVITY GUIDE

July 2025 – Deep Sea Dives

Hello agents! This week's theme for Mission Conservation is deep sea dives! The world is over 70% ocean. Much of our ocean floor has yet to be mapped out, and there are still hundreds of species just waiting to be discovered! In this activity guide we're going to learn why some things sink, why some things swim, and how certain creatures survive in the open seas.

Outdoor Activity: Sink or Float



Density affects how different objects and animals behave in the water. This experiment will test the density of objects inside and outside your home by seeing if they sink or float. It will also show how changes to objects can affect their density, and therefore their ability to float.

Materials:

- Large container full of water.
- Two oranges.
- Outdoor materials.

Procedure:

1. Go outside and fill a tub or large container full of water.
2. Drop an unpeeled orange into the water. Watch it float to the top.

MISSION CONSERVATION ACTIVITY GUIDE

July 2025 – Deep Sea Dives



3. Peel the second orange and watch it sink to the bottom.

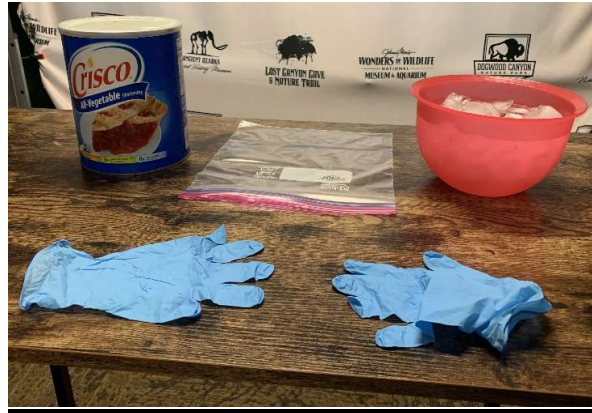


4. Grab different objects you might see outside, such as leaves, sticks and acorns.
5. Hypothesize which items you think will sink, and which ones you think will float.
6. Insert the objects and see what you learn!

MISSION CONSERVATION ACTIVITY GUIDE

July 2025 – Deep Sea Dives

Indoor Activity: Blubber Experiment



The ocean can get pretty cold! Especially in the Arctic and Antarctic. Blubber is one of the many adaptations ocean animals use to stay warm. This experiment will show you how!

Materials:

- Vegetable Shortening.
- Gallon Ziplock bag.
- Container full of ice water.
- Glove(s).

Procedure:

1. Fill a bowl with ice water.
2. Quickly touch the ice water. Pay attention to how cold your hand feels in the ice water.



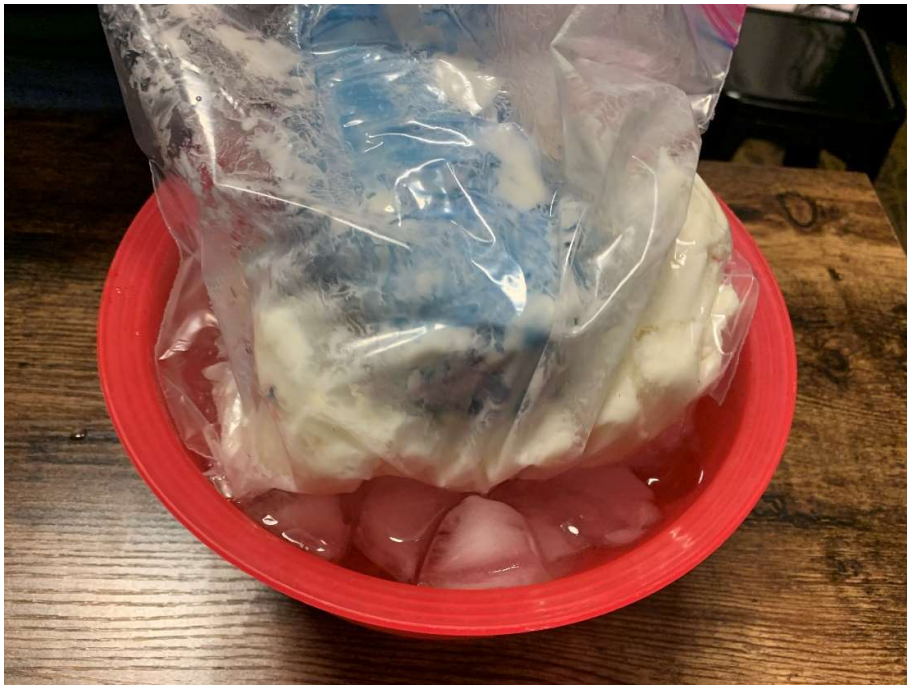
MISSION CONSERVATION ACTIVITY GUIDE

July 2025 – Deep Sea Dives

3. Add half a Ziplock bag with vegetable shortening.



4. Put a glove on one of your hands, stick it in the bag with vegetable shortening.
5. Put your hand with vegetable shortening back into the cold water and determine how warm that layer of fat keeps your hand.



We hope you enjoyed the activity guide this month! Don't forget to check out us at home mission for this month! To see a list of our other missions, or to learn more about Wonders of Wildlife, visit us at <https://wondersofwildlife.org/mission-conservation/>