## Activity 3 – Ocean Zones

Explore the ocean zones with this activity. Assistance may be required.

### Supplies

* 5 small glass or plastic bottles/jars (Note: 4 oz jelly or 8 oz canning mason jars are great and easy to find options. Many grocery stores carry them.)
* Blue food coloring
* Water
* Spoon
* Sea creatures (optional; toys/figurines)

### Instructions

1. Fill the bottles/jars with water.
2. Add five drops of blue food coloring one of the bottles and stir with spoon or shake with lid on. The color should look black.
3. Add three drops of blue food coloring to the next bottle and stir with spoon or shake with lid on. This will result in a blue a few shades lighter than the previous bottle.
4. Add one drop of blue food coloring to the third bottle and stir with spoon or shake with lid on. This will result in a blue two or three shades lighter than the second bottle.
5. Take the spoon you stirred with and stir the fourth bottle. If you shook the bottles, pour just a few drops of water from the third bottle into the fourth and shake. This will be many shades lighter.
6. Pour or spoon just a drop or two of water from the fourth bottle into the last bottle. It should barely tint the water.
7. Make the lids are tight on all containers.

You now have representations of the 5 zones of the oceans, from darkest to lightest: trench, abyss, midnight, twilight, and sunlight. You can label your jars. We even provided the .brf file for braille labels if you have an embosser at home, or just ask us and we’ll send labels to you!

Find out more about the ocean zones at: <https://education.nationalgeographic.org/resource/all-about-the-ocean>.

Adapted from [I can Teach My Child](https://www.icanteachmychild.com/make-ocean-zones-jar/) and [Natural Beach Living](https://www.naturalbeachliving.com/ocean-zones-for-kids/)