

## Biomes In A Bottle

### Material:

- Two Recycled Water Bottles (Same Size)
- Water
- Soil
- Scissors
- Two Pieces Of Wick
- Salt
- Seeds (Cactus, Flowers, Or Grass)
- Clear Tape

**Objective:** Explorers will learn what a biome is and create their own!

### Lesson:

#### **What Is A Biome?**

A biome is an environment that animals and plants can live in that is classified by a certain climate. Several examples include: the desert, tundra, tropical rainforest, grassland, etc. Tell explorers that today we will focus on the desert biome.



- First Bottle: Cut/ poke one of your bottle caps and put a hole in it. *You're going to have to ask an adult to help you with this part.* The adult is going to want to take the bottle that has a hole in the cap and cut off the bottom. *About half an inch.*
- Second Bottle: Your adult is now going to take your other bottle and cut off the top of the bottle, right where it stops sloping. *About two inches from the lid.*
- First Bottle: Take your wicks and insert them in the hole in your bottle cap. Make sure your wick sticks out a few inches on the both sides.
- Now you can pour water into your second bottle (*Bottom Bottle*) and place your first bottle upside down into the water. You want your wicks to submerge into the water but not the whole cap. (Make sure your wick doesn't fall out while hanging from the first one)

- First Bottle: Once that is done you can put tape around both bottles to keep them together and add soil in the top of your biome. About half of the first bottle
- For our desert biome you are going to add some salt to your soil to dry It out.
- Now you will plant a few seeds into your biome and cover them with about an inch of soil.
- Wait several days and watch your plant grow!