

Diver Buoyancy

What is buoyancy? This means the ability to float. Kaelyn mention two types of buoyancy in her interview: positive and negative buoyancy. Being positively buoyant means that an object is lighter than the fluid it is in which will make it float. Negative buoyancy is just the opposite of that; an object is denser or heavier than the fluid it is in which will make the object sink. This experiment will demonstrate examples of positive and negative buoyancy in your home!

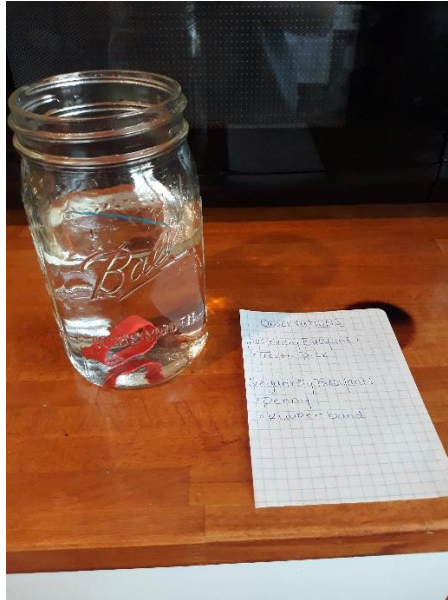
Materials:

- A large clear container
 - Water
 - 3-6 different small objects
 - Observation sheet (piece of paper)
 - Writing tool
1. Fill your container with water and gather your items. This sample uses a toothpick, penny, and rubber band.



2. Place your objects in the container.
3. Observe whether the objects are positively or negatively buoyant.

4. Write your observations down.



5. For an activity extension, try the same experiment with another liquid like dish soap or salt water.