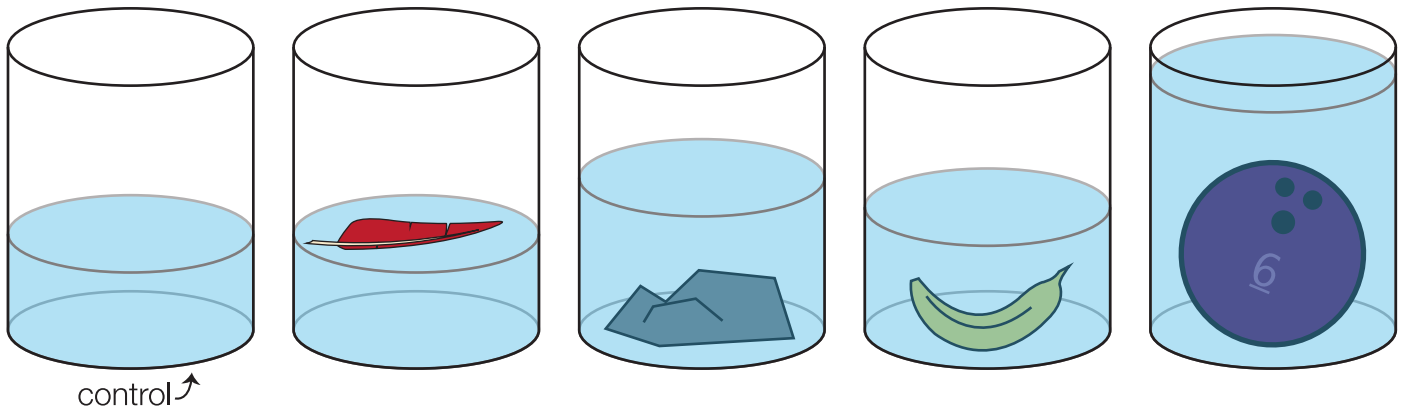


Answer Key **A Variety of Volumes**

Cassie has a feather, a rock, a banana and a bowling ball. She wants to find out if they have different volumes. She puts the same amount of water into five containers. She drops one object into each of the containers, leaving one *control* container with just water in it so she can see the original water line. Then she compares each full container to the control one. The difference between the original water line and the new water line (the amount of water *displaced* by each object) is the volume of the object! Look at the pictures of Cassie's containers below to help you answer the questions.



Which object has the most volume? The bowling ball

Which object has the least amount of volume? The feather

Put the objects in order from least volume to most volume.

Feather, banana, rock, bowling ball

What makes one object display more volume than another

object? The displaced water that rose in the glasses shows how much volume each object has.

How do you know? The information above told me that the amount of water displaced shows the volume of the object in the water.