

# FLOAT THE EGG



## **KEY OPENING QUESTION: How Can We Make An Egg Float?**

**BACKGROUND:** Objects more dense than water will sink. The density of water is 1 g/cc. Water's density is usually increased when other substances are dissolved in it.

**MATERIALS:** hard-boiled egg, 250 ml beaker, water, box of salt, plastic cup, wood splint

## **PROCEDURE:**

1. Fill the beaker to the 150 ml mark.
2. Carefully place the egg in the beaker.
3. Observe where the egg comes to a rest.
4. Pour salt into the plastic cup until it is half full.
5. Gradually add salt to the beaker, stirring to dissolve the salt.
6. Keep adding salt and stirring until you see the egg change its position in the beaker.

## **OBSERVATIONS AND DATA:**

### **BEFORE Picture**

Draw a picture to show where the egg went BEFORE you added the salt.

### **AFTER Picture**

Draw a picture showing where the egg went AFTER you mixed in the salt.

Why do you think this happened?

**CONCLUSION:** (Answer the Problem.)