**Soaking Sponge**

**Objective**:

I can measure how much water a dry sponge can soak up. This can be determined by measuring ***mass,*** ***volume***, or both. My group and I will develop our own procedures to answer this question.

**Question**

1. How much water can a dry sponge soak up?
2. How much water can a wet sponge pick up?
3. Can a wet sponge pick up the same amount as a dry sponge? (Less or More)

**Hypothesis**

1. I think a dry sponge can absorb \_\_\_\_\_ ml of water.
2. I think a wet sponge can absorb \_\_\_\_\_ ml of water.
3. I think a wet sponge does/doesn’t pick up the same amount of water as a dry sponge.

**Procedure: Soaking Sponge**

1. Get all of the materials (see Materials list).
2. Assemble the balancer.
3. Put the 2 plastic cups into the 2 balancer holes.
4. Zero the balancer.
5. Fill the small plastic cup with water.
6. Pour water into the graduated cylinder up to the 50 ml line.
7. Put the dry sponge into the larger container.
8. Gradually pour the water from the graduated cylinder onto the dry sponge in the larger container.
9. Watch to see if the sponge absorbs all of the water.
10. Pour any excess water from the sponge in the large container back into the small plastic cup.
11. If there is no excess water from the sponge, Refill the graduated cylinder to 50 ml.
12. Gradually add more water until the sponge is saturated then see step 10.
13. Place the wet sponge into one of the empty cups on the balancer.
14. Take the gram weights out of the bag.
15. Place the gram weights into the other empty balancer cup until both sides are equal.
16. Document the weight in your science notebook.