

# H<sub>2</sub>Olympics Score Sheet

TEAM NAME: \_\_\_\_\_ Date: \_\_\_\_\_

Team member(s): \_\_\_\_\_

## Event 1. Pole Vaulting: Over the Top!

Read the directions through before you begin this event. How many pennies do you think you'll be able to add before the water spills over? \_\_\_\_\_

**Directions:** Fill a clear plastic cup with water until it is even with the rim. Add pennies, one at a time. Keep track of the number of pennies added. Continue until the water spills over the side. Repeat for the other team member.

Describe or draw the surface of the water:

Number of pennies added,  
team member 1: \_\_\_\_\_ team member 2: \_\_\_\_\_

## Event 2. The Balance Beam: A Penny for Your Thoughts!

Read the directions before you begin this event. How many drops of water do you think you'll be able to put on the penny? \_\_\_\_\_

**Directions:** Using an eyedropper, place as many drops of water on the penny as possible without spilling over the edge. Keep track of the number of drops. Continue until water spills over or the water drop collapses. Repeat for the other team member. Record the scores.

Describe or draw how the water appeared on the penny before the drop collapsed:

Number of drops,  
team member 1: \_\_\_\_\_ team member 2: \_\_\_\_\_

## Event 3. Sculling: Bubble Power!

**Directions:** Cut out two boat shapes from a piece of cardboard (see pattern). In the rear of each boat, cut out a small notch. Place a drop of liquid soap in the notch of one boat. Place the boats in a tray of water and describe what happens. **NOTE:** Use fresh water for each trial.

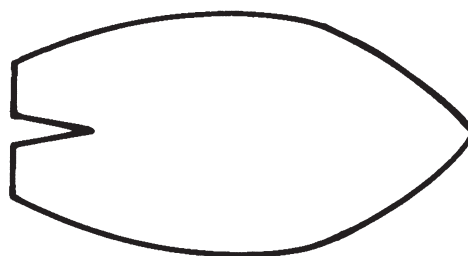
What caused the boat to move? (Hint: Place a drop of water on the table. What happens to it when you put a drop of liquid soap in it?)

Design a better shape for the boat so that it will move faster and in a straight line. Experiment with different shapes of boats, placement of the soap, and amount of soap.

Choose the best design and place the boat at one end of the tray at the start line. Time it until it crosses the finish line.

How long did it take to cross the finish line?

\_\_\_\_\_



BOAT PATTERN



