

Procedure

Materials List Aluminum foil

Pennies

Sink with water

Directions

1. Filled tank with H₂O.
2. Shaped aluminum foil to specified design decided upon after pre-trials.
3. Placed boat into water.
4. Placed pennies in to boat one at a time.
5. Recorded results.
6. Repeat above procedure two more times.

Variables

Controls

Each penny's weight

Amount of water in sink

Amount of aluminum foil (1sq. ft.)

Independent

Shape of aluminum foil (design)

Dependent

Number of pennies or total mass in grams held by each boat.