



How Does Your Boat Float?

Challenge:

- ▶ How many pennies can your aluminum foil boat hold before it sinks?

Materials:

- ▶ Small sheet of aluminum foil
- ▶ Shallow tub of water
- ▶ Pennies

Instructions:

1. Cut out a 5 inch square of aluminum foil.
2. Fold and shape the foil into a boat. Do you want it long? round? flat? Short? It's up to you!
3. Carefully add one penny at a time to your boat. Watch your boat as you add more pennies. Can you predict when the water will flood your boat?
4. How many pennies can your boat hold before it sinks?
5. Experiment with the shape of your boat or how you add the pennies. Does experimenting change how much weight your boat can hold?

Test #1: _____

Notes: _____

Test #2: _____

Notes: _____

Test #3: _____

Notes: _____

