

Can you make a boat that floats out of aluminum foil? Can that same boat carry more than its own weight? In this experiment, you can explore the relationship between density, displacement, and buoyancy. What other materials could you use to make a

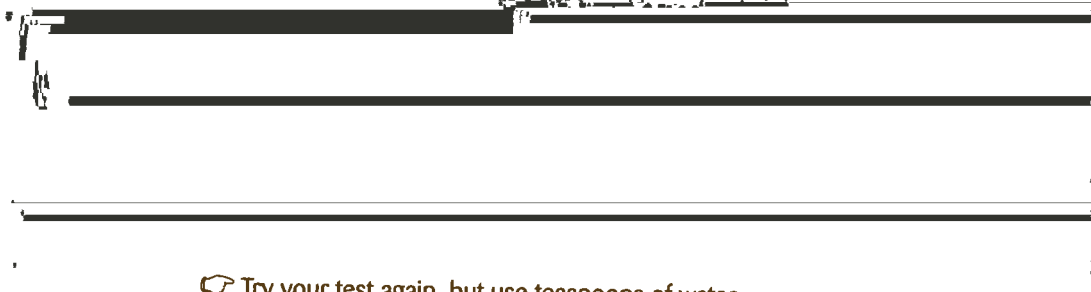
YOU WILL NEED:

- Scissors
- Aluminum foil
- Large bowl or sink filled with water
- Pennies

Cut out two square pieces of aluminum foil. Make sure they are about the same size.

Shape one piece of aluminum foil into a round boat shape.

Add pennies to each boat, one



Float you
or sink fil

Try your test again, but use teaspoons of water
instead of pennies.
adding pennies until
boat sinks. Which
pennies
o you
orked

the shape its
(including
buoyancy when it becomes too heavy with coins, or

gives