



WATER WATER EVERYWHERE

Name: _____ Date: _____

HYDRODYNAMICS

THINK FIRST!

Hydrodynamics is the science of how things move in water. How do you think the shape of a ship designed to carry cargo will differ from a ship designed to go fast?

MATERIALS

- 4 3"x3" pieces of foil
- 1 pan
- 10 tiles
- water

PROCEDURE

1. Fill the pan 1/2 way with water.
2. Each partner designs, builds and tests 2 ships that meet these requirements:
 - One ship must be able to carry more than 5 tiles.
 - The other ship must be able to travel the length of the pan with a single push.
 - Each ship must be made from a single piece of foil.

CONCLUSION
