



WATER WATER EVERYWHERE

Name: _____ Date: _____

PRESSURE

THINK FIRST!

If you fill a plastic soda bottle with water and put a hole in it's side, what will happen to the water? How about if the bottle is only half full?

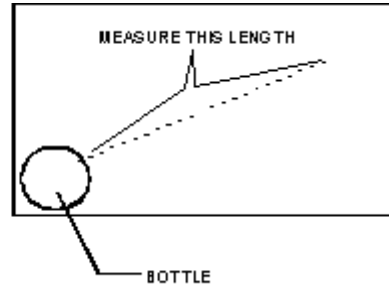
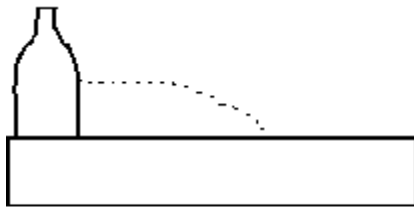
MATERIALS

- 1 1-liter soda bottle
- 1 pan
- 1 ruler
- 1 bottle cap
- 1 funnel
- 1 push pin
- water
- 1 can

PROCEDURE

1. Put the can upside down in one corner of the pan.
2. The 1-liter bottle has a hole in it near the bottom. Put the push pin in the hole.
3. Fill the 1-liter bottle with 2 inches of water.

4. Put the bottle on the can with the hole pointing to the opposite corner. Pull out the pin and measure how far the water squirts into the pan from the edge of the bottle.



5. Put the pin back in.

6. Repeat steps 3-5 for each of the entries in the following table.

7. When you're done, graph your results. Remember to label your graph.

Height Of Water	Distance Water Squirts
2 in.	
4 in.	
6 in.	
8 in.	
10 in.	

CONCLUSION

QUESTION

While water is squirting out of the bottle, put on the cap. Explain what happens.
