

## **Rock-it Science Observations For Winter Lessons 2010**

### **Hero's Fountain: Discover how to make water shoot up into the air all by itself.**

If we blow into a sealed container of water, the water tries to escape through the other tube

It is hard to squirt water very high with just lung power.

Our hands can squeeze the bottle creating more pressure than our lungs

Just pouring water into a container makes some of the air come out or get squished

When we started Hero's fountain, it didn't squirt very high

When we lowered the second bottle, the fountain squirted higher

When the water level in both bottles was at the same height, the fountain didn't squirt at all

We had to keep adding water if the fountain water didn't land in the funnel

A jar of water with a piece of nylon pantyhose over the opening can be held upside down without the water falling out

Water does come out if you poke the pantyhose!