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HOW DOES SANTA GET DOWN THE CHIMNEY?

Ingredients

- Hard Boiled Egg (Santa)
- Jar with a ½ Inch Round Neck (Chimney)
- Matches (Fire)

Science Terms

- **High Pressure System**
– A large, slowly swirling mass of sinking air that has high air pressure and fair weather.
- **Low Pressure System**
– A large, swirling mass of rising air that has low air pressure and that usually brings wet, stormy weather.

 **Buy Now!**

Instructions

STEP 1: Ignite two matches and immediately place the matches into the jar or chimney.

STEP 2: QUICKLY put the egg or Santa on the opening of the jar and watch how Santa goes down the chimney.



Explanation

When the flames inside the bottle extinguish due to the lack of oxygen, the gas inside the jar cools. This cooling causes the pressure inside the jar to become lower than the pressure outside the jar. The higher pressure outside the jar pushes the egg or Santa into the jar or down the chimney. Since Santa has fireproof clothes and boots he can then safely place your gifts under the tree. You can discover more hands-on experiments by going to www.hookedonscience.org.

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