



AIR CANNON

Ingredients

- 32 Gallon Trash Can
- Shower Curtain
- 2 Bungee Cords

Science Terms

- **Air** – The mixture of gases that makes up Earth's atmosphere.
- **Force** – Energy, such as a push or a pull, that changes the motion or shape of an object.

Instructions

STEP 1: Using a knife have an adult cut a 5-inch hole in the bottom of the trashcan.

STEP 2: Cut a large square from the shower curtain.

Make sure this square is large enough to stretch over the top of the trashcan.

STEP 3: Stretch the piece of shower curtain over the top of the trashcan.

STEP 4: Secure the piece of shower curtain with the bungee cords.



Explanation

The air cannon proves that air takes up space and shows how a vortex is formed. The shower curtain makes the shape of a cone as it moves inward. The air pressure on the inside of the can increases and the air is forced into a rotating rind as it moves through the opening.

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