

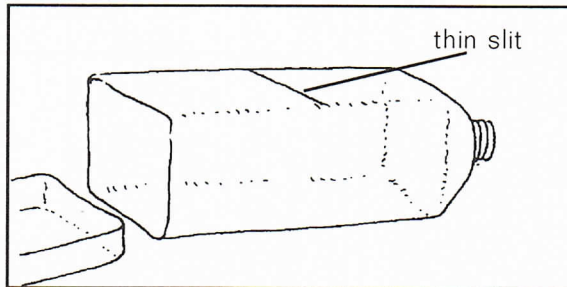
Make a model valve

Name _____

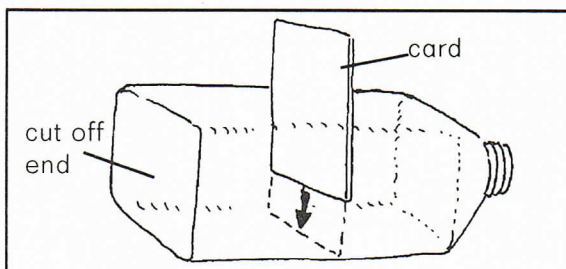
Date _____

You will need: a clear plastic bottle, stiff card, scissors, a craft knife, adhesive tape, a small weight (a battery or marble).

1. Cut the end off the bottle.
2. Cut a thin slit in the side of the bottle.

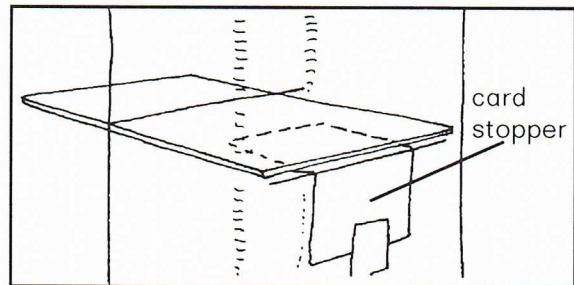


3. Cut a strip of card as wide as the slit and about 3cm longer than the diameter of the bottle. Taper one end of the strip of card.
4. Push the card (tapered end first) into the slit until it touches the other side of the bottle.



5. Cut out a piece of card about 3cm long and 2cm wide to use as a card stopper. Bend it in half.
6. Cut a small slit in the bottle, just below where the tapered end of the piece of card is touching the side of the bottle.

7. Push the stopper into the small slit, so that the card strip is resting on the stopper. Secure the stopper in place on the outside of the bottle with adhesive tape.



8. Drop a weight through one end of the bottle. What happens? Now try the other end. What happens?

