

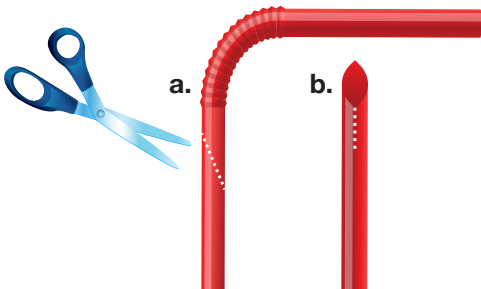
Simple Siphon

MATERIALS

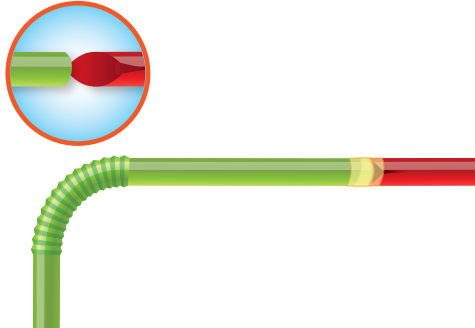
- 2 bendy straws
- scissors
- tape
- 1 glass (about 6 inches tall)
- sink

INSTRUCTIONS

- 1 a.** Cut one straw just below the bend at a diagonal angle. Discard the bendy piece.
- b.** On the straight piece, make a tiny cut in the shorter side of the diagonal opening.



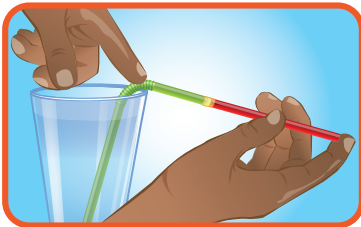
- 2** Slightly pinch the end of the cut straw and slide it inside the short end of the second straw. Tape the connection well so no air can escape. This is your siphon.



- 3** Fill a glass with water up to the rim and set it right next to a sink.



- 4** Hold your finger over the longer end of your siphon and place the shorter end into glass.



- 5** Keep your finger on the end of the siphon. Hold the siphon's bend at the rim of the glass. Point the siphon's long end toward the sink so that it's lower than the other end of the straw still in the glass. Remove your finger from the end. The water will push up over the bend and drain from the glass.



What's Going On?

The water at the bottom of the glass is at a higher pressure. This water seeks a lower potential energy, so it moves up the siphon to the bend which is a lower pressure area created by the gravitational pull on the water exiting the straw. Water will keep flowing through the siphon in this way until the pressure at the entrance and exit of the siphon are the same.

