Why No Flood?

Until you learn how to do this experiment perfectly (and maybe even then), it's best to do it over a sink or basin.

**What to do:** Place the cardboard over the drinking glass which you have filled to the brim with water. Make sure no air bubbles enter the glass as you hold the cardboard against it. Then turn the glass upside down over a sink or basin. Take away the hand holding the cardboard.

**What happens:** The cardboard stays in place—and the water stays in the glass.

**Why:** The pressure of the air outside the glass is greater than the pressure of the water inside. It is the air pressure that keeps the water in the glass.

**YOU NEED**

- piece of cardboard or large index card
- glass of water