

Grade 3 Week 8

HOW DO UMBRELLAS WORK?

Materials:

one jar
cloth handkerchief
water
rubber band

Procedure:

1. Fill a jar with water and soak your handkerchief.
2. Stretch the handkerchief over the mouth of the jar and hold it in place with a rubber band.
3. Turn the jar upside down.
4. Does the water pour out? Record your observation.
5. Try this experiment again with different cloth.

How does it work:

The handkerchief is made of fibers of cloth with tiny holes in between them. Surface tension acts like a "skin" and stops water from pushing down through the holes. Umbrellas stop water getting through for the same reason. Next time you are under one, think of *surface tension*.