



WHAT'S IN YOUR WATER?

THE MOVIE

TEACHER'S GUIDE

This activity simulates what happens when water particles in the air pick up air pollutants.

MATERIALS NEEDED:

- two glass jars with metal lids
 - red and green gel or paste food coloring
 - two toothpicks
 - water
 - ice cubes
- (optional: divide class into groups of 2-4 students and have these materials for each group)

DIRECTIONS:

1. Fill jars 1/3 to 1/2 full of water. (Warm water will give a quicker result.)
2. With a toothpick, place 4-6 dots of green food coloring on the top of a lid.
3. Use another toothpick to place red food coloring on the same lid.
4. Place lids upside down on the jars.
5. Put 2-3 ice cubes in each lid. The jar with no food coloring represents clean air, the other one polluted air.
6. Have students observe the jars for 10 minutes and record what they see.
7. Discuss what conclusions they draw from this demonstration. (They should be able to understand that air pollution adds to water pollution, so clean air is important in the overall effort to have safe, clean water.)

