Water Pollution Experiment

Green-Schools

GREEN-SCHOOLS
STAY HOME - WATER

Pollution is when something gets into our environment to make it contaminated (which means dirty). We don't want it there.

Do you know that we eat water?

Well, water is inside the food we grow and eat. It is important then that this water is not polluted. In this experiment, we will see how if pollution gets into water, it can then get into our food.

Set up time: 15 mins Wait time: 4 hours

What do you need?

1. A glass
2. Tap water
3. Red or blue food coloring.
4. A knife (get an adult to help you use the knife)
5. A stick of fresh celery with the leaves still on it.

What do you do?

1. Fill the glass with water
2. Add two or three drops of food coloring. Notice how it spreads through the water. Pollution could spread through water just like the food coloring does.
3. Wash the piece of celery. Leave the leaves on.
4. Being very careful, use the knife (get an adult to help) and cut off the bottom of the celery.
5. Put the celery in the glass filled with colored water.
6. Let the celery stalk sit there for at least four hours or overnight.
7. Then take the celery stalk out of the water.
8. Use the knife (remember to get help from an adult) and cut a slice off the bottom of the stalk.
9. Cut more slices.

Questions

1. Before you took the celery stalk out of the water, what did it look like?
2. When you sliced off pieces from the celery stalk, what did you find?
3. The food coloring is like pollution that could get into water. What would happen if there was pollution in the water instead of food coloring?
4. What does this tell you about polluted water?

See a video of a similar experiment here:
https://www.youtube.com/watch?v=YovAfRptI9A