

Pollution Solutions

Running Time: 26 Minutes

Nifty questions in this episode:

- What are some causes of pollution?
- Why can't pollution leave the Earth?
- How is pollution carried and spread?

Awesome answers:

- Gas and oil spills, carbon dioxide, carbon monoxide, noise, chemicals, burning trash and wood.
- The Earth has a closed system.
- With rain and wind.

Experiments shown on the video:

WILL IT BE GONE?

Objective: To determine the decay rate of certain substances.

- Fill six jars halfway with water.
- Place a different kind of trash in each jar and label the jar.
- Place each jar in the sun for a few days and observe what happens to the various kinds of trash or garbage in the presence of heat and moisture.

More interesting stuff to do:

STICKY WICKET!

Objective: To count the number of particles suspended in our atmosphere.


- Smear eight pieces of white cardboard or stiff paper with petroleum jelly. Place the cardboard in different areas inside and outside your home or school.
- After one week, collect the cardboard and observe the surface of each piece, noticing any pollution or particles that have been collected (stuck to the paper).
- Estimate the number of particles on each piece of cardboard by counting the number of particles in a small area (you may need a magnifying glass) and multiplying by the total area. Multiply this figure by the approximate area of your house or school. This should give you a better understanding of the amount of pollution in your locale.

FRENCH FRIED!

Objective: To observe the effects of oil on vegetation in water.

- Ask your parents or teacher to collect the drippings and oil left over from fried foods and place them in a coffee can.
- Add water the next day or when oil becomes cool. (Do not add water when oil is hot because it may spray on you.)
- Observe the contents of the can and make a drawing of the mixture that you see.
- Add salt, plants, sticks, and other vegetation to the water and stir. Observe any changes and effects. Can you tell how oil in ocean water would affect marine life?

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 closed-captioned



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