

# Air Pollution Experiment

## CAN YOU SEE WHAT'S IN THE AIR?

Use this simple test to collect and observe particles in the air around you.

## SUPPLIES:

Index cards or small pieces of cardboard  
Petroleum jelly or clear tape  
Cotton swab or plastic spoon (to spread petroleum jelly)  
Pencil or marker (for labeling)  
String or tape (to place or hang the card)  
Magnifying glass (optional, for closer observation)  
Notebook or observation sheet

## YOUR QUESTION

Is the air the same in different places?

## MAKE A PREDICTION

Where do you think you will find the most particles?

- ☐ Indoors
- ☐ Outdoors
- ☐ Near a road
- ☐ Backyard or park

Why?

## SET UP YOUR TEST

Label index card with the location  
Add a thin layer of petroleum jelly or tape  
Place your card in your chosen location  
Leave it for 24–48 hours



# Air Pollution Experiment

## OBSERVATIONS

What do you see on your card? \_\_\_\_\_

## COMPARE RESULTS

Where did you see the most particles? \_\_\_\_\_

\_\_\_\_\_

Which location looked the cleanest? \_\_\_\_\_

\_\_\_\_\_

**WHAT HAPPENED?** \_\_\_\_\_

\_\_\_\_\_

**WHAT DID YOU LEARN?** \_\_\_\_\_

\_\_\_\_\_

## EXTEND THE EXPERIMENT

Try testing:

Different locations

Different times of day

Different lengths of time

## THINK LIKE A SCIENTIST

Ask questions

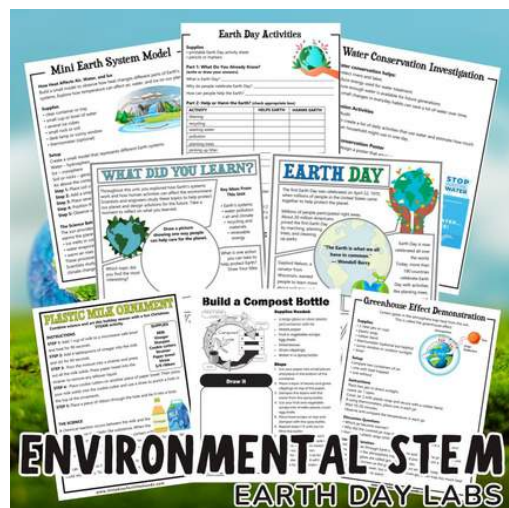
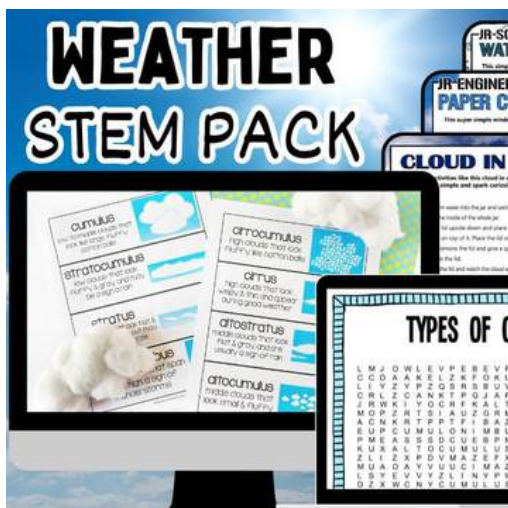
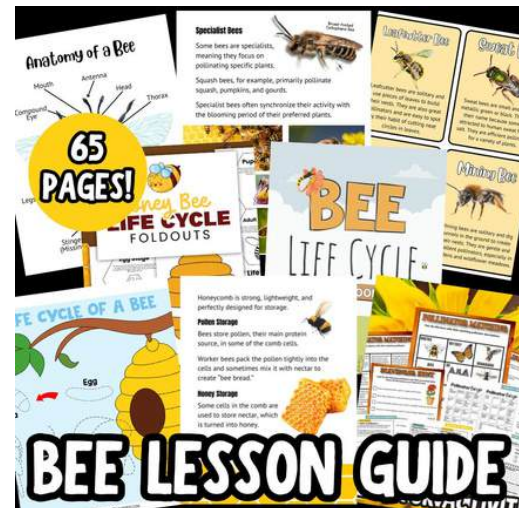
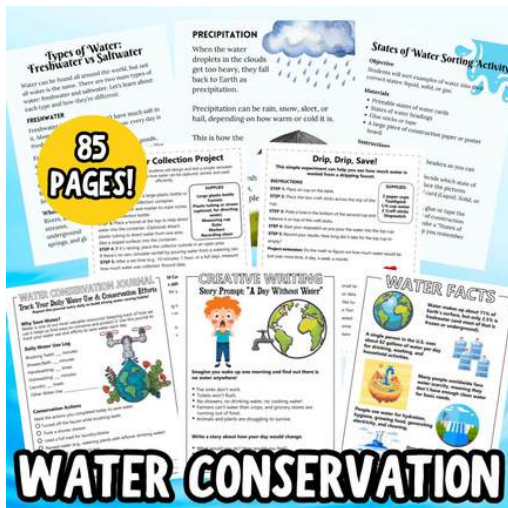
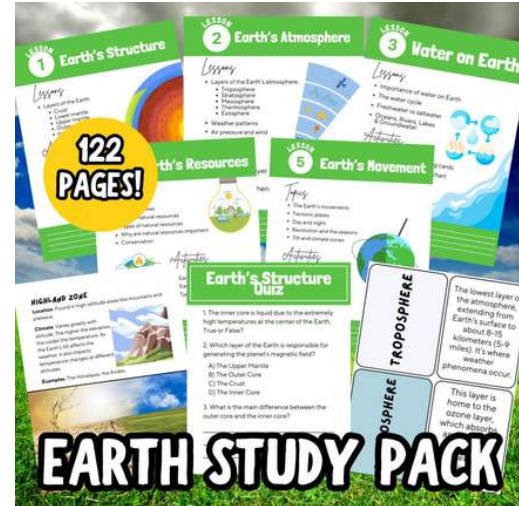
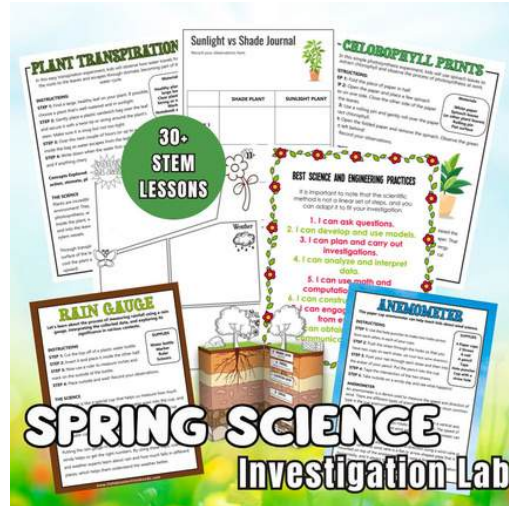
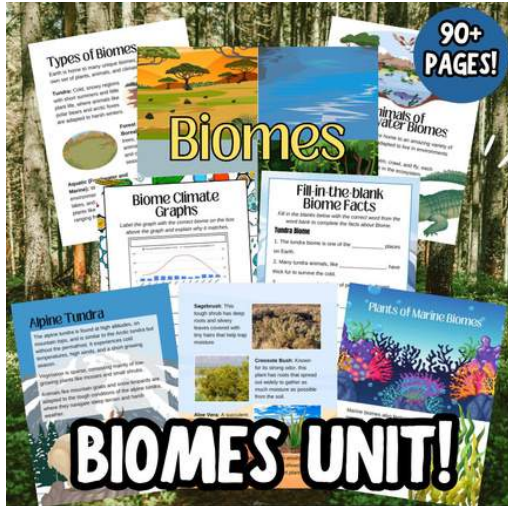
Observe carefully

Compare results

Share your ideas



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