

Gases Review

Week 9 — Friday | What Is Air? Putting It All Together

Reading Time

This week we learned that gases are real matter. Air is a mix of gases all around us. We cannot see air, but we can feel it and trap it. Air fills balloons, tires, and bubbles. It even filled the cup we pushed under water!

Gases have special properties. They do not have their own shape. They spread out to fill any container. They can be squeezed into small spaces, like air in a bike tire. They can also push on things, like the gas that blew up our balloon.

Air matters to all living things. People and animals breathe air to live. Plants use a gas from the air to make their food. Next quarter, we will learn all about plants and what they need!

Reading Questions

1. What is air made of?

2. Name two things that are filled with air.

3. What do plants use from the air?

4. Describe two properties of gases from this week.

Vocabulary Review

Write what each word means. Try not to look back!

Gas

Air

Invisible

Matter

Trapped Air

Carbon Dioxide

What Is Air? Exploration Chart

Fill in each box to show what you know about air.

Question About Air	My Answer
Can we see air?	
How do we know air is real?	
Does air take up space?	
What shape does air have?	
Who needs air to live?	

Gas Property Explanation

Match the event to the gas property. Write the letter on the line.

Event	Property Letter
A balloon gets bigger as you blow into it	
You smell cookies from another room	
A bike pump squeezes air into a tire	
Wind pushes a sailboat across a lake	

Properties: A = Gas takes up space B = Gas spreads out C = Gas can be squeezed D = Gas can push things

True or False — Circle Your Answer

- ☐ 1. Air is not matter because we cannot see it.
- ☐ 2. A gas spreads out to fill its container.
- ☐ 3. Baking soda and vinegar make a gas.
- ☐ 4. Trapped air kept our paper towel dry.
- ☐ 5. Gases cannot push on anything.
- ☐ 6. People and animals need air to live.

Creative Challenge: Catch That Air!

Challenge: Air is invisible and always escaping. Design a way to catch some air! Draw your air-catching invention and label its parts.



How does your invention catch the air?

How could someone prove there is air inside it?

Science Journal

1. What was your favorite thing you learned about gases?

2. Tell a family member one fact about air. Which fact did you share?

Week 9 Review

I can...	Yes!	Almost	Not Yet
Explain that air is matter			
Prove that gases take up space			
Name the three states of matter			
Describe two properties of gases			

Next week: States of Matter Review and Testing. Great job finishing the gases unit!