

Matter Unit Review Quiz

Week 10 — Friday | Physical Science — Unit Review

All About Matter

Everything around us is made of **matter**. Matter takes up space and has weight. Matter exists in three states: **solids**, **liquids**, and **gases**. Solids keep their shape. Liquids take the shape of their container. Gases spread out to fill any space.

Materials have different **properties** like texture, flexibility, hardness, and absorbency. Some materials absorb water like paper towels. Some materials are flexible like rubber bands. Scientists test materials to find the best one for each job.

Reading Questions

1. What three things are true about all matter?

2. How do liquids differ from solids?

3. Give an example of a flexible material.

4. Why do scientists test materials before choosing one for a project?

Match the Property

Draw a line to match each material with its best property.

Material	Property
Paper towel	Flexible
Rubber band	Absorbent
Wooden block	Hard
Rock	Smooth
Silk cloth	Rough

True or False — Matter Review

Circle **T** for True or **F** for False.

- ☐ 1. Air is a form of matter.
- ☐ 2. Solids change shape easily.
- ☐ 3. All liquids are the same color.
- ☐ 4. Absorbent materials soak up liquids.
- ☐ 5. Heat can cause a solid to melt.
- ☐ 6. Gases have a fixed shape.
- ☐ 7. Water freezing into ice is a state change.
- ☐ 8. Steam is water in its gas state.
- ☐ 9. Flexible materials break when you bend them.
- ☐ 10. Condensation happens when gas cools and becomes liquid.

Fill in the Blanks

Word Bank: solid liquid gas matter absorb flexible melt properties hard freezing

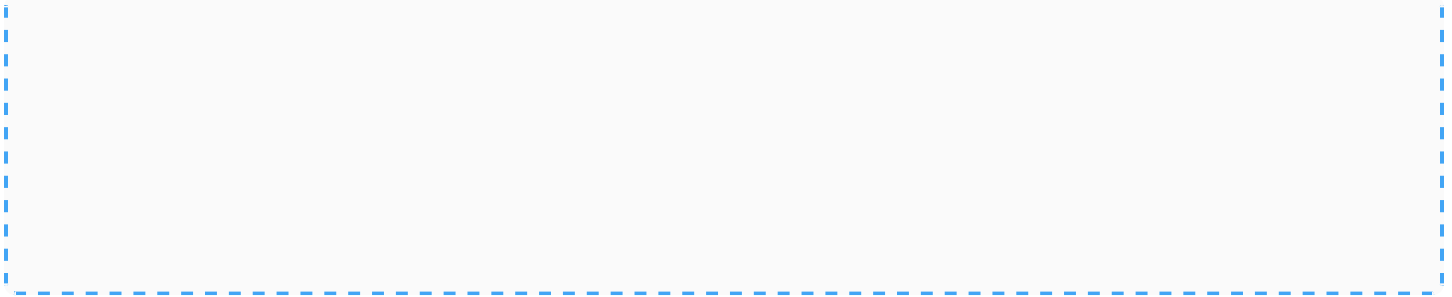
- 1. Everything made of _____ is called matter.
- 2. A _____ keeps its own shape.
- 3. A _____ takes the shape of its container.
- 4. A _____ spreads out to fill all available space.
- 5. Paper towels can _____ water quickly.
- 6. A _____ material bends without breaking.
- 7. When you add heat to ice, it begins to _____.
- 8. Scientists study the _____ of materials to choose the best one.
- 9. Granite is a very _____ material.
- 10. Turning water into ice is called _____.

Design Challenge

Your Task: Design a container to keep a drink cold on a hot day.

Think about the **properties** of materials. What materials would you use? Why?

Draw your container and label the materials you chose.



Explain your design choices:

Science Journal

Week 10 Reflection — What I Learned About Matter

1. My favorite experiment was:

2. The hardest concept to understand was:

3. One thing I can tell a friend about matter is:

★ Unit Review Checklist

Check each box when you feel confident about that topic.

✓	I Can...
	Name the three states of matter
	Describe the properties of solids, liquids, and gases
	Give examples of material properties (texture, hardness, flexibility)
	Explain what absorbent means with an example
	Describe how heat causes matter to change states
	Name the four state changes (melt, freeze, evaporate, condense)
	Design a solution using the right materials for the job