

Solids Review

Week 7 — Friday | Reviewing Solid Properties and Sink or Float

Reading Time

This week we learned all about solids. Solids are one of the three states of matter. They keep their own shape no matter where you put them. You described solids using words like hard, soft, rough, smooth, and absorbent.

We also ran a sink or float experiment. Some solids sank to the bottom of the water and others floated on top. The reason has to do with density — how tightly packed the material inside the solid is. Denser objects tend to sink and less dense objects tend to float.

Scientists always follow steps: ask a question, make a prediction, run the experiment, record results, and then draw a conclusion. You did all of that this week — great science work!

Reading Questions

1. What are the three states of matter?

2. Name three words you can use to describe a solid.

3. What is density?

4. List the five steps a scientist follows during an experiment.

Best Description for Each Solid

Circle the property word that best matches each solid.

Solid	Property	Sink or Float?
Rubber brick	Hard / Soft	Sinks / Floats
Styrofoam cup	Heavy / Light	Sinks / Floats
Towel	Absorbent / Waterproof	Sinks / Floats
Glass marble	Smooth / Rough	Sinks / Floats
Wood block	Hard / Soft	Sinks / Floats
Metal key	Heavy / Light	Sinks / Floats
Sponge	Absorbent / Waterproof	Sinks / Floats
Plastic toy	Hard / Soft	Sinks / Floats

True or False

- ☐ 1. Solids change their shape when you pour them.
- ☐ 2. All metals sink in water.
- ☐ 3. A sponge is both soft and absorbent.
- ☐ 4. Density means how tightly packed something is.
- ☐ 5. A prediction is the answer you get after the experiment.
- ☐ 6. A cork will sink in water.
- ☐ 7. Rough is a word that describes texture.
- ☐ 8. Some soft objects can still sink in water.

Match the Word to Its Meaning

Draw a line from each word to the correct definition.

Word	Definition
Solid	A. How tightly packed something is
Density	B. A guess about what will happen
Prediction	C. Matter that keeps its own shape
Absorbent	D. Soaks up liquid
Texture	E. How something feels — rough or smooth

Design Your Own Boat

Imagine you have to build a boat that will float using only aluminum foil. Draw your boat design below and label the parts.

Why do you think your boat will float?

Science Journal

Prompt 1: What was the most surprising thing you learned this week about solids?

Prompt 2: Describe one object from your home that sinks and one that floats.

Prompt 3: If you could test one more solid, what would it be and why?

★ Week 7 Review Checklist

Fill in the blanks to review what you learned this week.

1. A _____ keeps its own shape and does not flow.

2. Three words to describe a solid: _____, _____, _____.

3. An object that is very dense will _____ in water.

4. An object that is not very dense will _____ on water.

5. Before an experiment, you make a _____.

6. After an experiment, you record your _____.