

MATTER



What is Matter?

Matter is anything that takes up space and has weight.
Everything around us is made of matter!



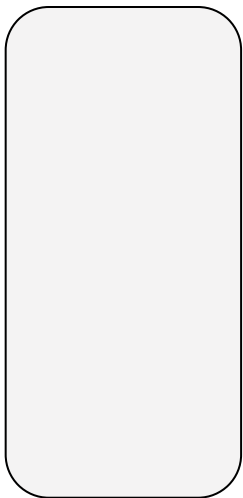
Look around you.
Write 3 things you see that are matter:

Three Forms of Matter

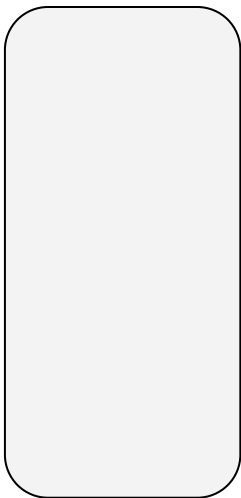
There are three main forms of matter:

Form	Description	Example
Solid	Has its own shape	Rock
Liquid	Takes shape of container	Water
Gas	Spreads out and fills space	Air

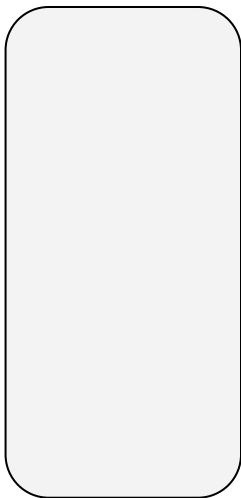
Draw one example of each:



Solid



Liquid



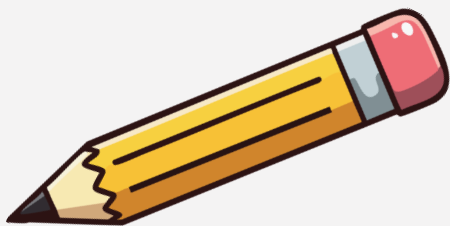
Gas

Matter

We can describe matter using:

- ✓ Shape
- ✓ Color
- ✓ Texture (smooth/rough)
- ✓ Hardness (hard/soft)
- ✓ Size

Describe the object below.



Color: _____

Texture: _____

Hard or Soft: _____

Shape: _____

Solid or Not?

Circle the SOLID objects.



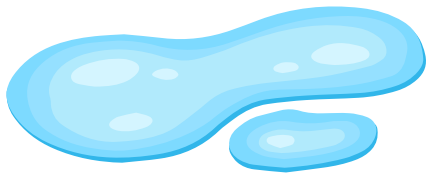
Challenge:

What makes a solid different from a liquid?

Liquids Can Flow!

What are liquids?

- ✓ Have fixed volume
- ✓ Take the shape of container
- ✓ Can flow



Draw water in the images below.

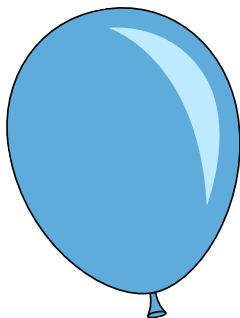


What changed?
Shape / Volume (Circle one)

What About Gas?

What is gas?

- ✓ Spreads out
- ✓ Has no fixed shape
- ✓ Has no fixed volume



Example:
Air inside a balloon.

True or False

Write T for True and F for False.

1. ____ Gas has its own shape.
2. ____ Gas can fill a room.
3. ____ Air is matter.
4. ____ Gas has weight.
5. ____ Gas cannot move.
6. ____ Steam is an example of gas.

Classify Me

Write S for Solid, L for Liquid, G for Gas.



smoke

☐

ice

☐

cooking oil

☐

spoon

☐

drinking water

☐

sand

☐

Observe and Describe

Study the objects below.



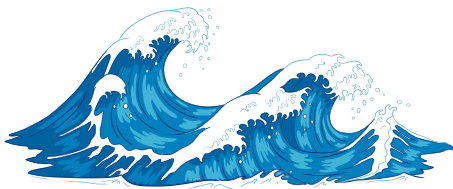
Name of object: _____

Color: _____

Texture: _____

Hard/Soft: _____

Form of matter: _____



Name of object: _____

Color: _____

Texture: _____

Hard/Soft: _____

Form of matter: _____

Think and Apply



Situation:

Lara poured juice into a cup.

Did the juice change its volume? _____

Did the juice change its shape? _____

Why? _____

Check What You Learned!

Multiple Choice

Encircle the correct answer.

1. Which is a liquid?

- a. Rock
- b. Air
- c. Water

2. Which has no fixed shape?

- a. Solid
- b. Gas
- c. Pencil

3. Which is NOT matter?

- a. Table
- b. Air
- c. Light

3. Which characteristic describes a solid?

- a. Flows easily
- b. Has its own shape
- c. Fills the whole space

4. What happens to water when poured into a new container?

- a. Shape changes
- b. Volume disappears
- c. Color changes

5. Which is a gas?

- a. Milk
- b. Oxygen
- c. Ice

Check What You Learned!

Identify the Form of Matter

Write Solid, Liquid, or Gas.

1. Juice inside a bottle – _____
2. A wooden desk – _____
3. Steam from hot soup – _____
4. Cooking oil – _____
5. Balloon filled with air – _____

Thinking Question

1. Why does a stone keep its shape but water does not?

2. Why is air considered matter even if we cannot see it?
