

Science

Name: _____

Number: _____

Color Group: _____

When we describe objects (things), we say what it looks like, what it feels like, how it sounds, and so on.

In this unit, we will learn about how we describe things using science words.

Matter is anything that has weight and takes up space. You are matter. This booklet is matter. Even air is matter.

" ?

A **solid** is **matter** that keeps its shape. Solids do not take the shape of what they are in (a container). A solid takes up space and has weight.



← This pencil keeps its shape, so it is a **solid**.



A solid does not take the shape of what it is put in.



" " ?

A **liquid** is matter that does not have its own shape. When they are put in something (a container), a liquid changes to the shape of the container. Milk, water, and shampoo are liquids. Liquids take up space and have weight.

Orange juice (a liquid) takes the shape of what it is put into.












" " ?

A **gas** is matter that does not have its own shape. Gases fill the space of its container. Gas has weight and takes up space. Air, steam, and your breath are gases.



Your breath is an example of a gas.

Solid	Liquid	Gas
 ice  clock  hammer	 water  soup  hot chocolate	 water vapor  helium  carbon dioxide

In pairs, brainstorm for solids, liquids, and gases:

Solids	Liquids	Gases

Which of the following is NOT a solid? (circle the correct answer)

a river **a pencil** **a ball** **a book**

Which of the following is a liquid? (circle the correct answer)

an eraser **a pencil case** **a glass** **a lake**

Which of the following is a gas?

oxygen **orange** **ocean** **owl**

Color the solids examples red, liquids blue, and gases yellow

water	honey	steam
pencil case	maple syrup	ozone (in the atmosphere)
coffee	helium (in balloons)	scooter
Carbon dioxide CO ²	ice	dish soap
rock	iron	oxygen O ²
sand	butter	water bottle
Nintendo Switch	your breath	grape juice
milk	tea	nitrogen (in air)

_____ " _____ ?

To sink (a verb) is to go to the bottom of a liquid.

Here are some pictures of things sinking...



a car sinking



a boat sinking



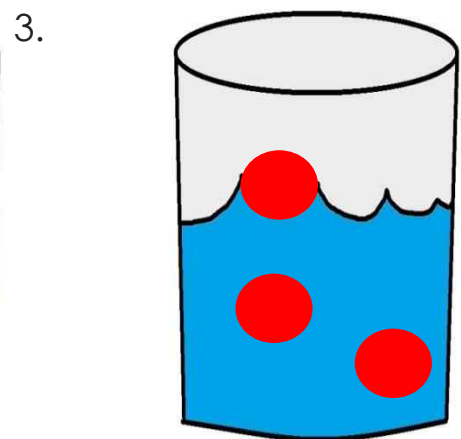
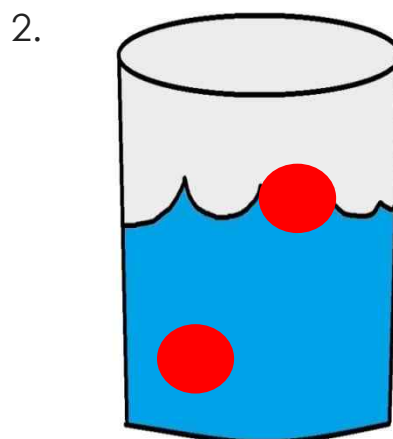
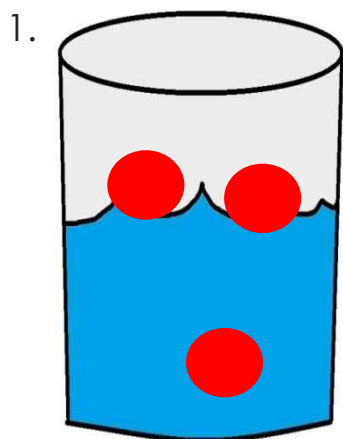
*some rocks
sinking*



a car sunk in milk

Activity

Circle in the objects that have sunk or are sinking in the water:



“ ”?

To float (a verb) is to stay on top of a liquid.

Here are some pictures of things floating...



lily pads floating



a duck floating



cereal floating

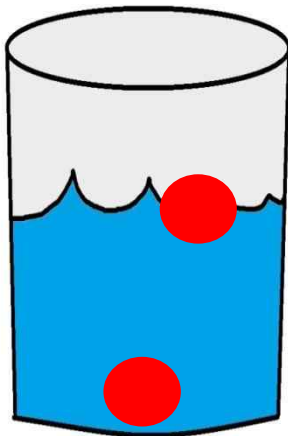


a girl floating

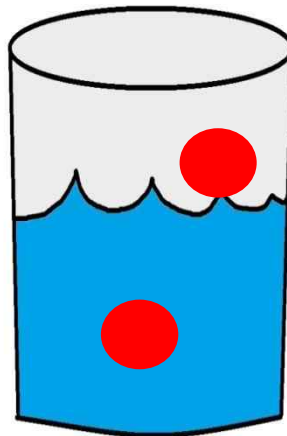
Activity

Circle the objects that are floating:

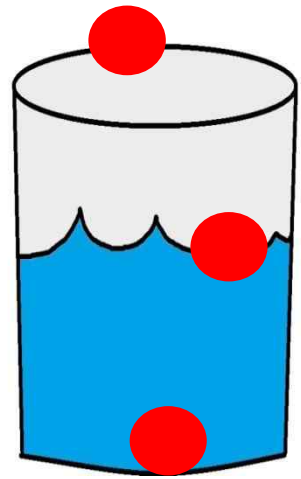
1.



2.



3.



We can describe an object in many ways. We can say if something is a solid, liquid, or gas. We can also say if it sinks or floats. There are many other ways to describe matter, too. Some of these are:

- Color

- Texture

- Material

- Shape

Brainstorm for the colors and shapes you know:

COLORS

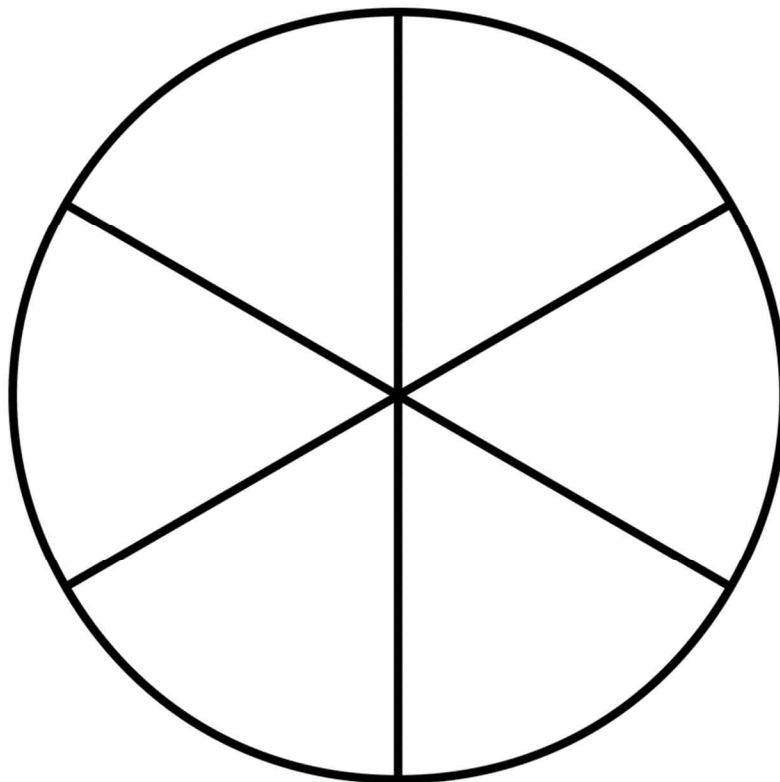
SHAPES

There are three colors that almost every other color is made from. These are called "primary colors". The primary colors are:

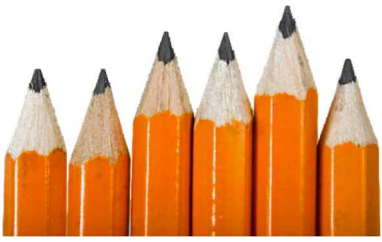
1. _____
2. _____
3. _____

The colors made from mixing two primary colors are called "secondary colors". The secondary colors are:

1. _____
2. _____
3. _____



The texture of something is how it feels (or how you think it would feel) when you touch it.

bumpy		rough	
smooth		furry	
squishy		grainy	
pointy		sticky	
slippery		Scaly	

The material is what something is made from:

Wood



Glass



Plastic



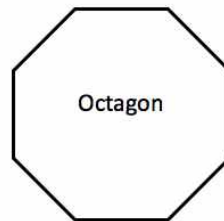
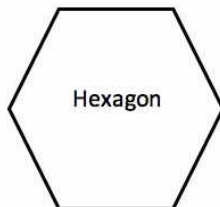
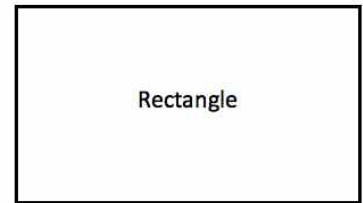
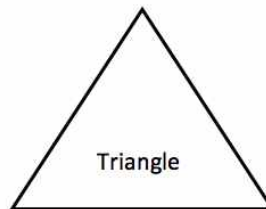
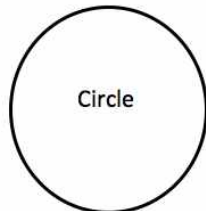
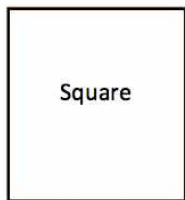
Metal



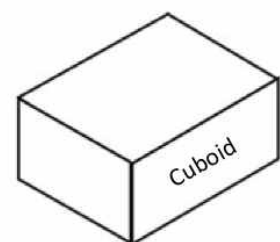
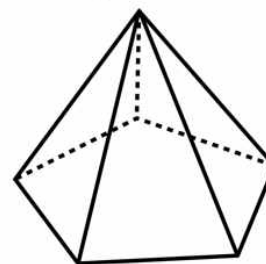
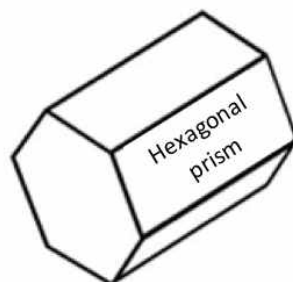
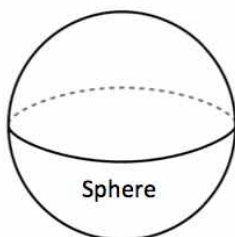
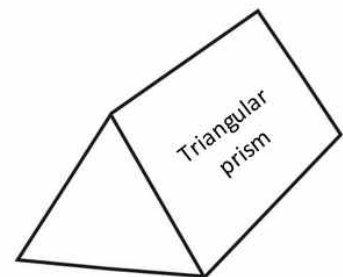
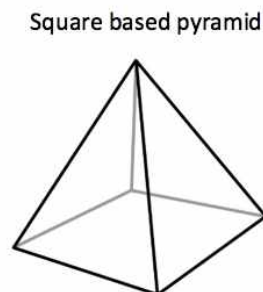
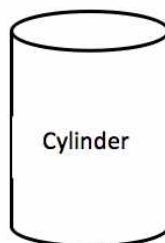
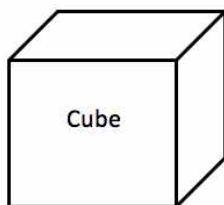
Rubber








2D shapes



3D shapes



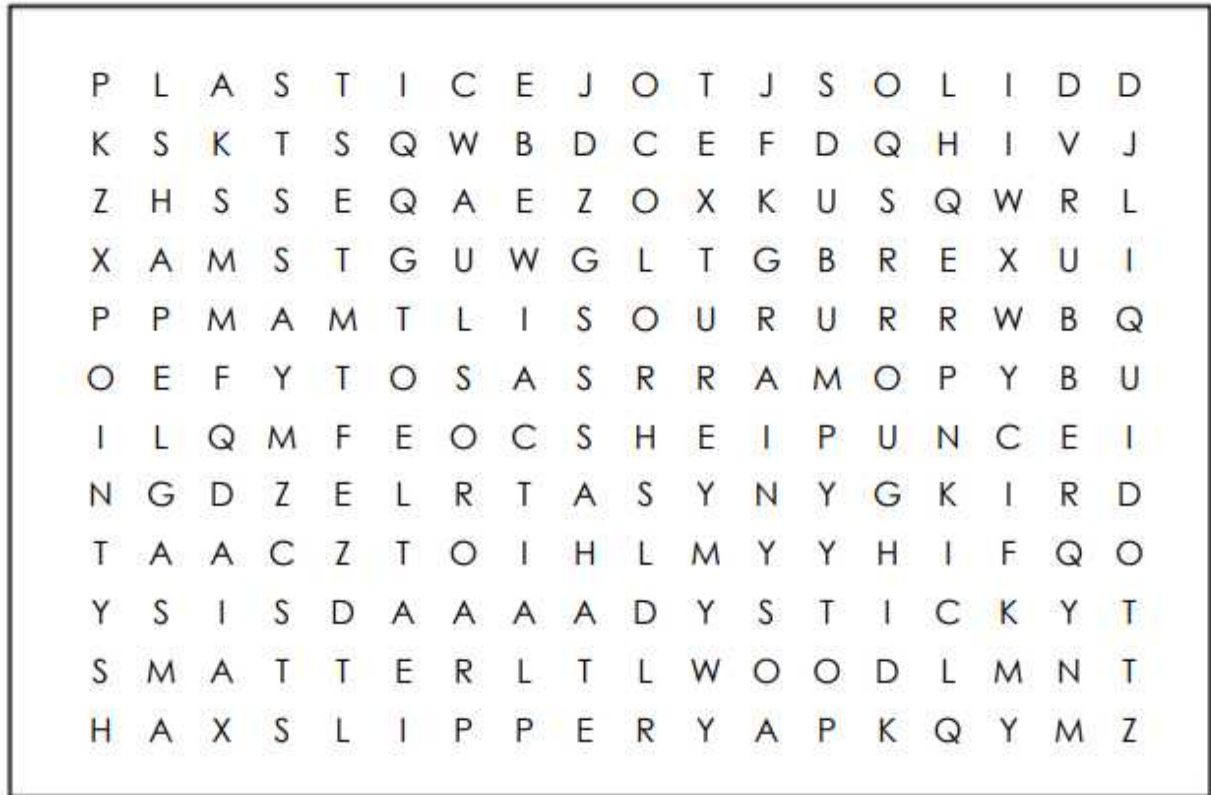
Classifying Objects by Color, Material, Texture, and Shape

					
	Cup	Box	Triangle	Ball	Cone
Color					
Material					
Texture					
Shape					

Words to Know

- bumpy
- smooth
- squishy
- grainy
- slippery
- color
- glass
- solid
- gas
- matter
- rubber
- shape
- rough
- furry
- pointy
- sticky
- scaly
- float
- metal
- liquid
- material
- plastic
- wood
- texture

Properties of Matter



Find the following words in the puzzle.

Words are hidden → ↓ and ↘ .

BUMPY
COLOR
FLOAT
FURRY
GAS
GLASS
GRAINY
LIQUID

MATERIAL
MATTER
METAL
PLASTIC
POINTY
ROUGH
RUBBER
SCALY

SHAPE
SLIPPERY
SMOOTH
SOLID
SQUISHY
STICKY
TEXTURE
WOOD