

Name: _____

Classify materials according to their physical characteristics



Classifying

How many ways can we classify properties of matter?

we can classify or sort by.....







size






thin	big
thick	little
skinny	medium
fat	short
small	tall

texture

bumpy	soft
fluffy	rough
hard	slimy
pointy	sticky
smooth	silky

shape

Circle	
Triangle	
Pentagon	
Heptagon	
Trapezoid	
Heart	

square	
rectangle	
hexagon	
octagon	
rhombus	
star	

taste

sweet	salty
sour	bitter
savory	hot/cold
spicy/hot	fresh
bland/tasteless	



color

red	orange
yellow	green
blue	indigo
violet	violet
pink	pink
white	black
brown	

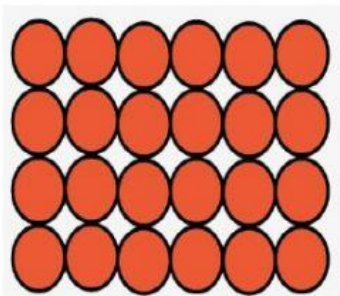


States of Matter

Solids

- ✓ Definite shape
- ✓ Definite volume
- ✓ Definite mass

Particles of a Solid

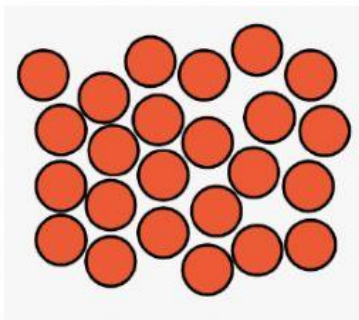


- Tightly packed together
- Vibrate against one another
- Do not move from place to place

Liquid

- ✓ No definite shape
- ✓ Definite volume
- ✓ Definite mass
- ✓ Take the shape of its container

Particles of a Liquid

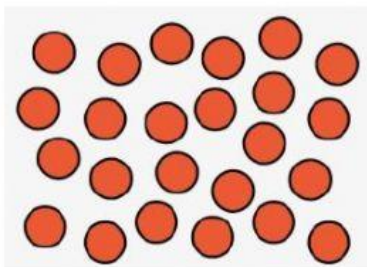


- Close together
- Vibrate past one another
- Little movement

Gas

- ✓ No definite shape
- ✓ No definite volume
- ✓ No definite mass
- ✓ Take the shape of its container

Particles of a Gas



- Not close together, very spread out
- Vibrate freely past one another

Drag and drop the objects according to their color.

red			
yellow			
blue			
green			
orange			
violet			



Answer with **true** or **false**.

- _____ 1. Silk is rough.
- _____ 2. Stone is smooth.
- _____ 3. The skin of an atis is smooth.
- _____ 4. Mango is smooth.
- _____ 5. Sandpaper is rough.

Answer the following.

The shape of the ball is _____.

The size of an elephant is _____.

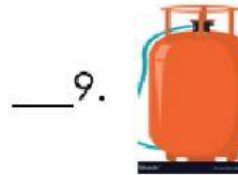
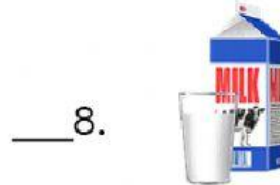
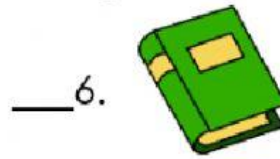
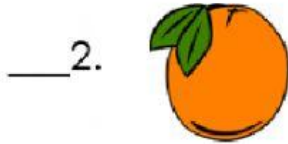
The color of the guava is _____.

The odor of perfume is _____.

The taste of a green mango is
_____.

The texture of the sand is _____.

Write S for solid, L for liquid, and G for gas.



Key Points:

Matter is anything that has mass and takes up space.

The three states of matter are:

solid, liquid, gas

Solid:

have a definite shape, mass and volume.

Liquid:

have a definite mass and volume, but not shape.

Gases:

do not have definite mass, volume, or shape.

