

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

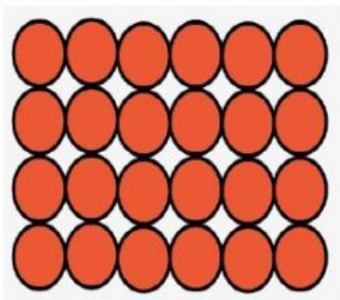


States of Matter

Solids

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

Particles of a Solid

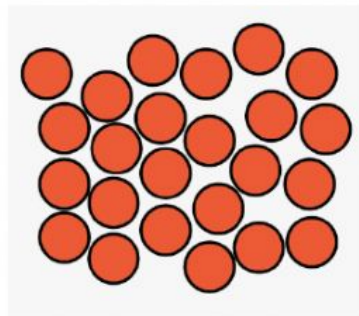


- Tightly packed together
- Vibrate against one another
- Do not move from place to place

Liquid

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

Particles of a Liquid

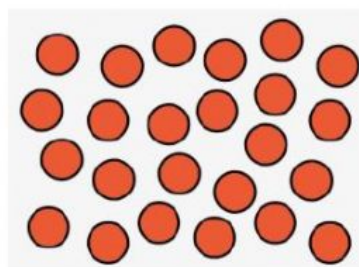


- Close together
- Vibrate past one another
- Little movement

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 _____.

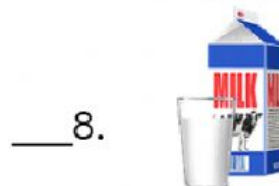
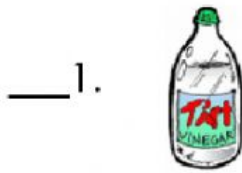
The color of the guava is _____.

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.

