

Test: Nov. 22

Name Key #

States of Matter Notes

Measurement Vocabulary

spring scale	balance	graduated cylinder	Newton
volume	gram	milliliter	weight mass

graduated cylinder

1. tool used to measure the volume of matter

weight

2. force of gravity on an object; it will change depending on the size of the planet you're on

Spring scale

3. tool used to find the weight (not mass) of an object

gram

4. basic metric unit of measurement used to determine the mass of an object (1,000 of them = 1 kg)

volume

5. amount of space taken up by a substance or object

balance

6. tool used to find the mass of an object

Newton

7. metric unit of weight used to measure the force of gravity

mL

8. basic metric unit for measuring volume (1,000 of them = 1 L)

mass

9. amount of matter (stuff) in a substance or object

What We Know

1. 7 common properties we have used in class to describe objects:

i. Shape

v. State of Matter

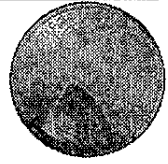
ii. color

vi. mass

iii. Size

vii. volume

iv. texture



2. Describe a penny using its properties:

brown in color → turns blueish green when corroded,
round, rough edge, bumpy surface

3. In order for an object or substance to change to another state of matter,
energy must transfer in or out of that object or substance.

More Vocabulary

properties liquid solid gas

definite shape matter phase change state of matter

liquid

1. a state of matter that takes up a definite amount of space but has no definite shape; takes on the shape of its container; can be poured and flow

phase change

2. occurs when a material changes from one state to another (i.e., liquid to gas) because of a transfer of energy in or out of the substance

properties

3. characteristics by which matter is described

state of matter

4. solid, liquid, or gas

definite shape

5. how a solid keeps its own form (unless acted upon by a force)

gas

6. a state of matter that has no definite shape and does not take up a definite amount of space; takes the space and shape of its container

matter

7. anything that has mass and takes up space; "stuff"

solid

8. a state of matter which has a definite shape and volume