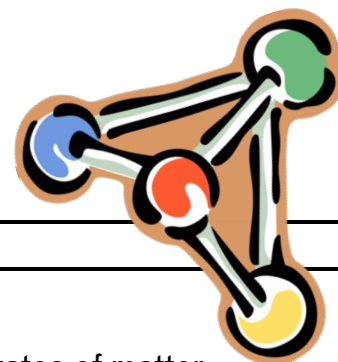


Name: _____

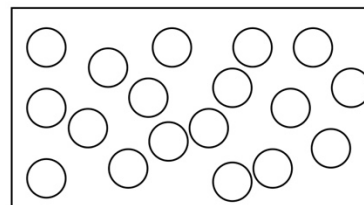
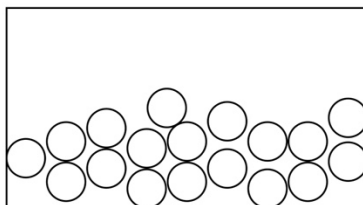
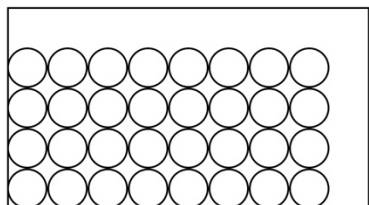
Hour: _____

Exploring Chemistry: What is *matter*?



Bellringer: What is “*matter*?”

Review: Label these 3 particle models with the correct states of matter.



Learning Objective: Develop models to describe the atomic composition of simple molecules and extended structures.

I can:

- Identify that all matter is made out of atoms
- Identify that atoms combine to form molecules

Scan me! 😊



Copy & Paste the link (digital version):

<https://www.dkfindout.com/us/science/solids-liquids-and-gases/>

What is matter?

Matter is another word for _____.

Matter takes on different forms depending on how the _____ are arranged.

- We call these forms “states of matter” – on Earth, the most common states are:

- 1.
- 2.
- 3.

Name: _____

Hour: _____

Atoms:

All matter is made up of _____ called **atoms**.

There are 118 kinds of atoms, which make up _____ around us, from the smallest piece of dust to entire stars and planets.

Each kind of atom is called an _____.

Molecules:

Atoms are rarely found by themselves – they usually join up with other atoms in _____ called **molecules**.

A _____ is two or more _____ joined (or “**bonded**”) tightly together.

The _____ and _____ of atoms in a molecule, and the way they are _____, determine what substance it makes.

Examples of molecules:

- 1.
- 2.

Scan the QR Code below to answer the following question:



Copy & Paste the link (digital version):

<https://sciencetrek.org/topics/compounds>

Which one of these molecules is a **compound**? What makes you think so?

H₂ vs H₂O
