

Matter and Density (Unit 5)

Matter is anything that can take up space and be

_____. Everything on _____ is made of matter.

States of matter

What states of matter are being shown in each of these examples?



The atoms here



The atoms here
move



The atoms here
move

PERIODIC TABLE OF ELEMENTS

Chemical Group Block

Periodic Table of Elements (Partial View):

Atomic Number	Symbol	Name	Chemical Group/Block
1	H	Hydrogen	Nonmetal
2	He	Helium	Noble Gas
3	Li	Lithium	Alkali Metal
4	Be	Beryllium	Alkaline Earth Metal
11	Na	Sodium	Alkali Metal
12	Mg	Magnesium	Alkaline Earth Metal
17	Cl	Chlorine	Halogens
35.45			Atomic Mass, u
53	I	Iodine	Halogens
85	At	Astatine	Halogens
117	Ts	Tennessine	Halogens

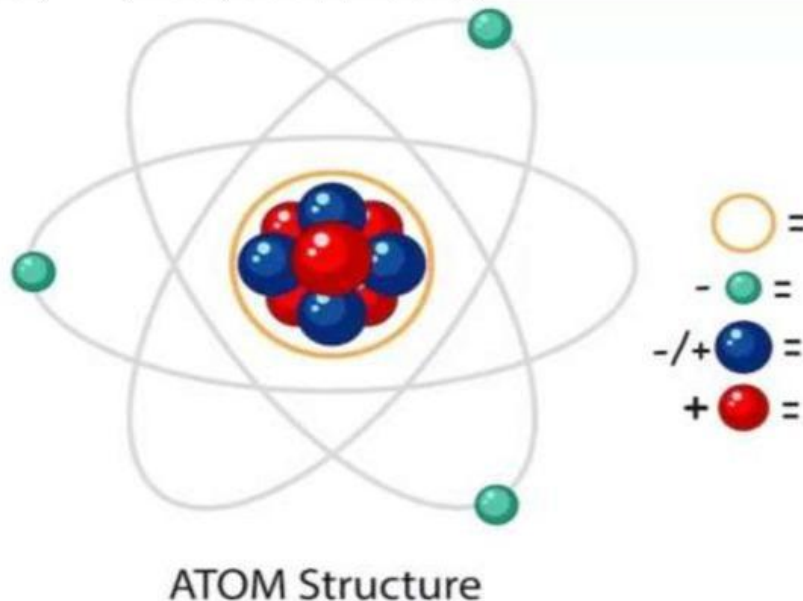
Elements in the periodic table

Why is Boron this number in the periodic table?

Boron is the number ____ because it has ____, ____,
____ and ____.

Why is Copper this number in the periodic table?

Copper is the number ____ because it has ____, ____,
____ and ____.



*Are these materials **natural** or **synthetic**?*



What **properties** do these different materials have?

**Some of these may have more than one*



Waterproof
Synthetic
Natural
Soft
Absorbent
Rigid
Transparent
Opaque
Hard
Flexible

Written question in notebook:

1. What is the difference between a natural and a synthetic material?
2. Can you provide some examples of each and their origin?

