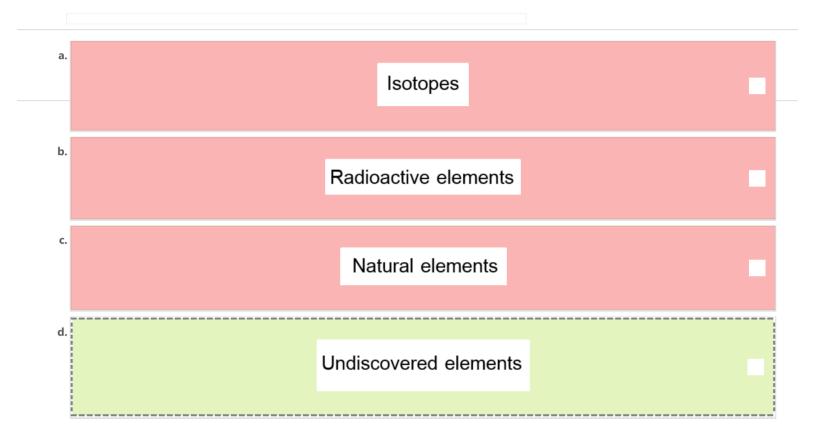
Q.1: Mendeleev periodic table

Mark(s):: 5/5

Mendeleev organized elements in order of increasing atomic mass, but he had to What did these spaces represent?

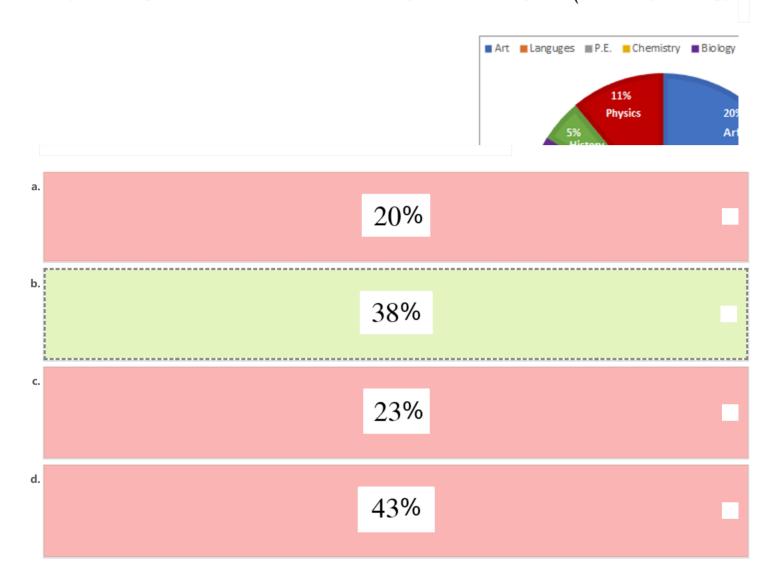


Which of the following is a one of the uses for chlorine compounds?

a.	
	Disinfect water in swimming pools
b.	
	Used to study genetic material, such as DNA
c.	
	Necessary to produce thyroxin hormone
d.	
	Medical research due to their radioactive properties

Q.3: \*\*\*\*\* BONUS \*\*\*\*\* Pie Chart Mark(s):: 4/4

The pie chart below shows the percentage of students according to their favor percentage of students who like to study science subjects (chemistry, biology,



Q.4: Bernoulli's Principle Mark(s):: 5/5

	Bernoulli examined the relationship between ?
a.	
	Fluid flow and its pressure
b.	
	Fluid temperature and its pressure
c.	
	Fluid pressure and its potential energy
d.	
	Fluid temperature and its kinetic energy

Q.5: Element X

Which of the following is correct for the element X, shown in the figure below?

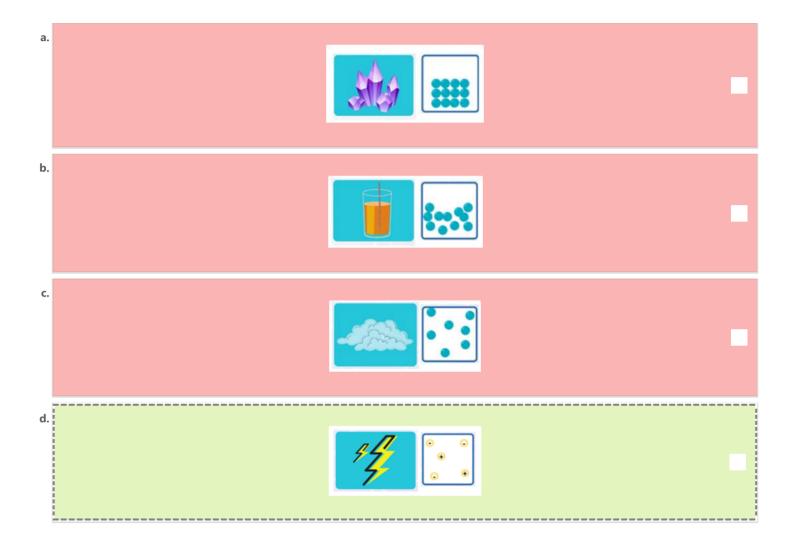
Mass number 91
Atomic number 40

	Electrons number	protons number	neutrons number
A.	51	40	91
_	40	F1	01

a.	A
b.	В
c.	C.
d.	D

Q.6: Plasma State Mark(s):: 5/5

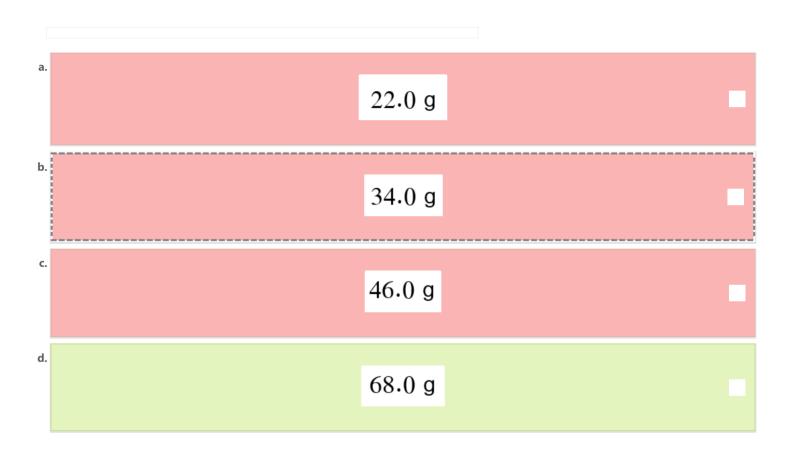
Which of the following figures is an example of plasma state?



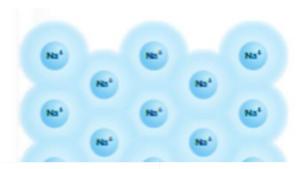
Q.7: Mass of Ammonia Mark(s):: 0/5

A 56.0 g sample of nitrogen gas reacts with 12.0 g hydrogen gas to form am What mass of ammonia is formed?

$$N_2(g) + 3H_2(g) \rightarrow 2NH_3(g)$$

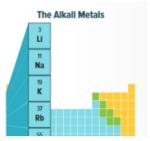


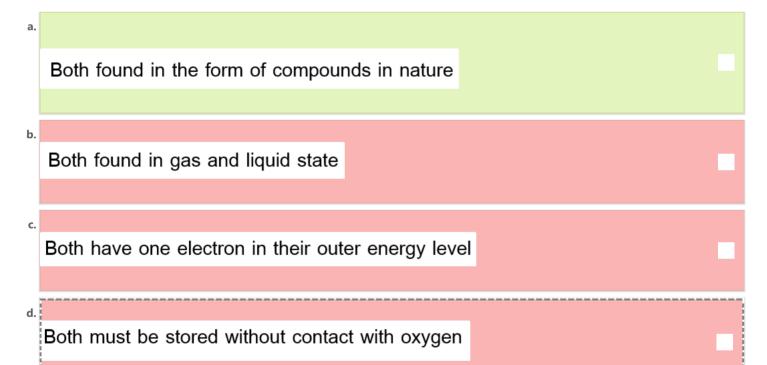
What explains the metals property of being able to be hammered into sheets o



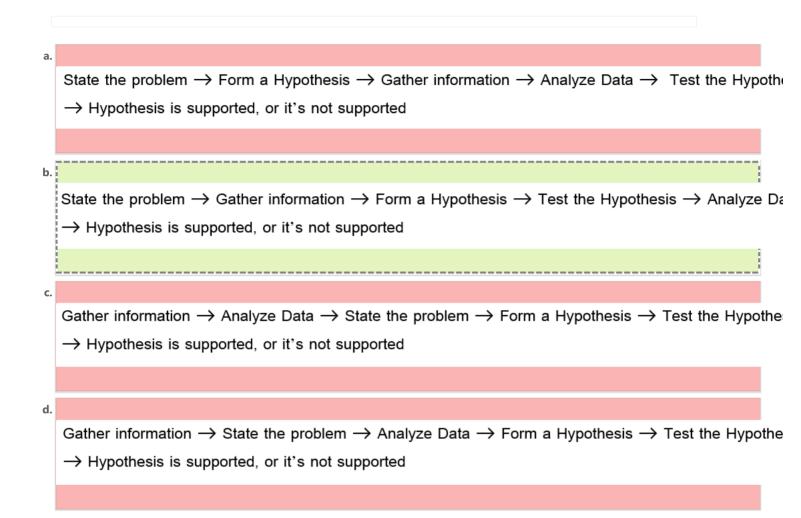
а.		
	The ions are in layers that slide past one another without losing their attraction to the el	tron
ο.		
	The movement of the electron sea and the metal ions more easily	
c.		
	The movement of electrons is fixed around the metallic cation	
d.		
	The metallic cations are fixed and cannot move	

What is the **similarity** between the elements of the first group and the s





What is the correct order of the steps in the scientific method to solve a problem?



Q.11: Solutions and Colloids Mark(s):: 5/5

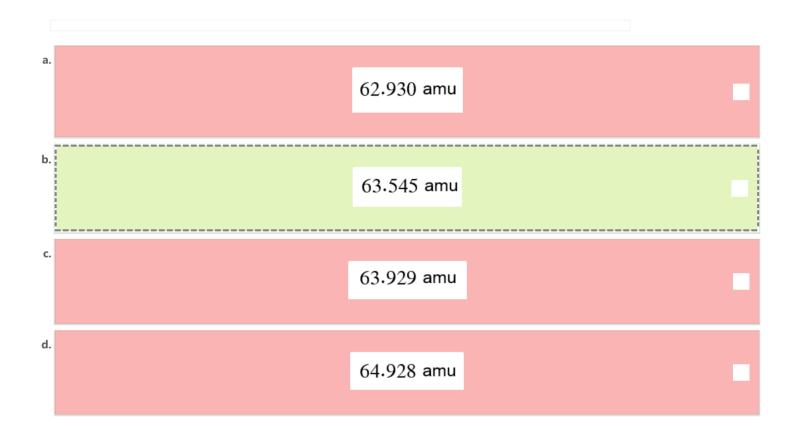
How can colloids be distinguished from solutions?

a.	
	Colloid particles can be seen with the naked eye
b.	
	Colloid particles can settle out of the mixture in time
c.	
	Colloid particles are much smaller than solution particles
d.	
	Colloids will scatter light beams that passes through them

Q.12: \*\*\*\*\*BOUNS\*\*\*\*\* Isotopes Mark(s):: 4/4

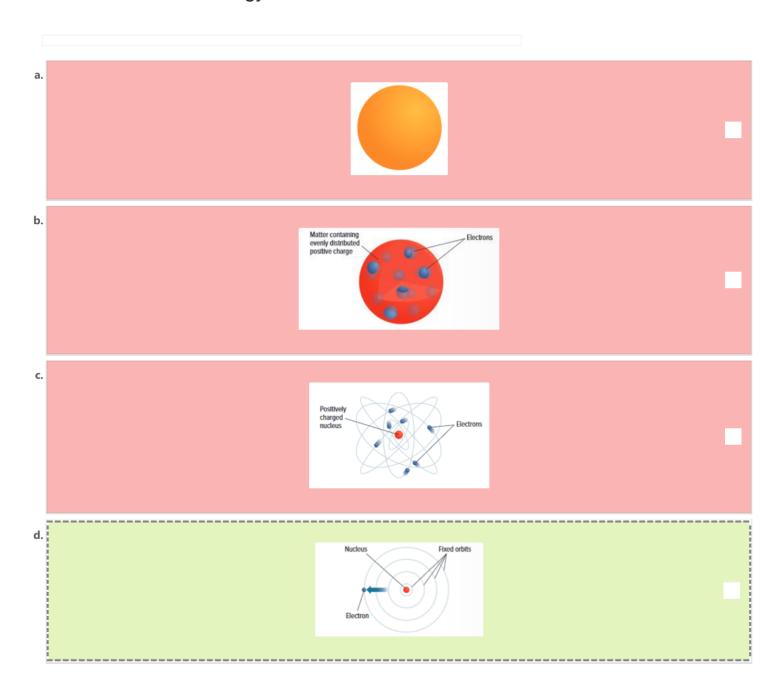
Copper has two isotopes:

Cu-63 (abundance = 69.2%, mass = 62.930 amu) and Cu-65 (abundance = 30.8%, mass = What is the average atomic mass of copper?



Q.13: Atomic models Mark(s):: 5/5

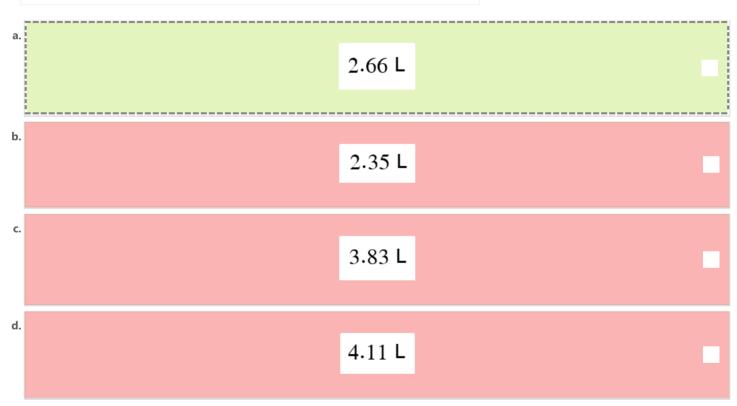
Which of the following atomic models explained the electron jumps between orbits in absorbs or release energy?

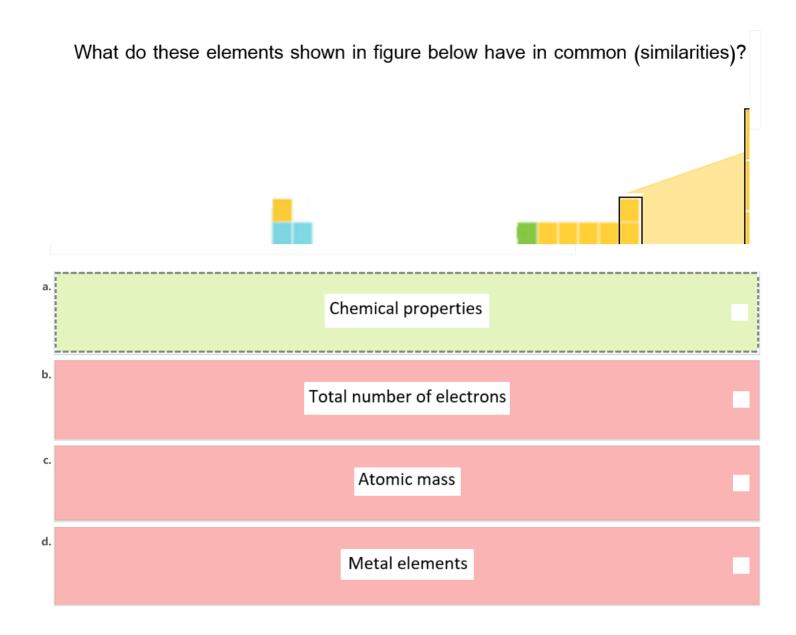


Q.14: Weather balloon Mark(s):: 5/5

A weather balloon has a volume of 2.50 L at 101 kPa. As the balloon rises the What is the new volume of the balloon?



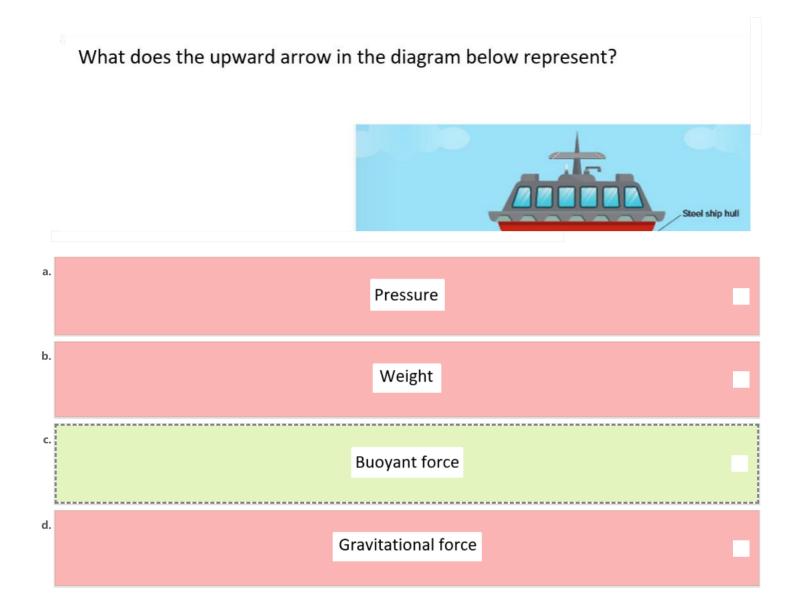




Which of the following is NOT an assumption for the kinetic molecular theory?

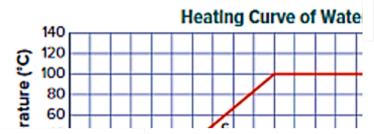
a.	
	All matter is composed of tiny particles (atoms, molecules, and ions)
b.	
	These particles are in constant, random motion
c.	
	The particles collide with other and with the walls of any container in which the are
d.	
	The amount of energy that the particle lose from these collisions is relatively h h a

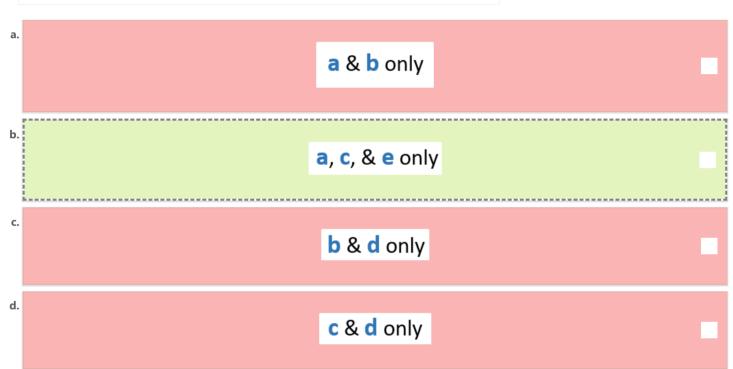
Q.17: Steel Ship Mark(s):: 5/5



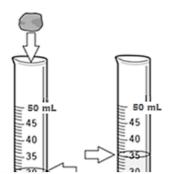
Q.18: Heating Curve of Water Mark(s):: 5/5

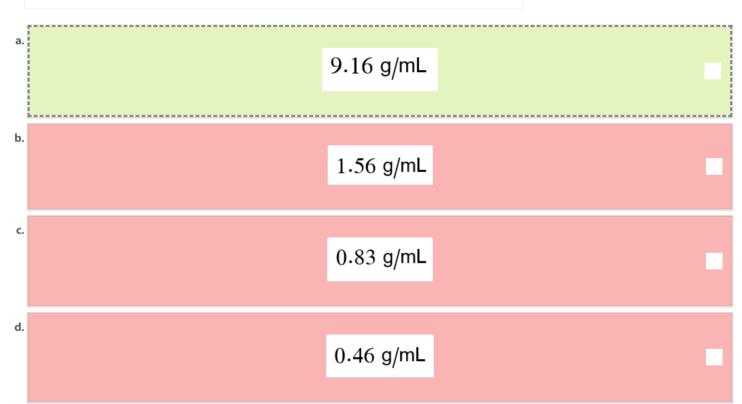
In the heating curve of water below, in which intervals the temperature of wa





Using the following diagram, what is the density of the rock if its mass is



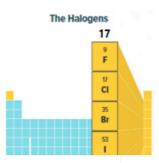


Q.20: Homogenous mixture Mark(s):: 5/5

## Which of the following is an example of a homogenous mixture?

Gasoline	
Blood	
Dirt	
Dirt	
Milk	

## Which of the following is correct regarding the halogens group?



Found in nature as pure elements only

Possess five electrons in their outer energy level

Stable because their outer energy levels are full

Gains an electron from a metal, an ionic compound called salt is formed

Q.22: Subatomic particle

Mark(s):: 5/5

Which of the following subatomic particle is not made from smaller particles?

a.	N	Nucleus
b.	P	Proton
c.		
	El	Electron
d.	N	Neutron
		TOURIST.

Q.23: Physical Properties Mark(s):: 5/5

## Which of the following is **NOT** a physical property?

a.	Magnetism
b.	Size
c.	Flammability
d.	Viscosity

Q.24: SI Units system Mark(s):: 5/5

Which one of the following is **NOT** considered a base unit in the in the SI system:

a.	Intensity of light (cd)
b.	Electric current (A)
c.	Temperature (K)
d.	Volume (cm³)

Q.25: Line graph's axis Mark(s):: 5/5

A girl takes her dog for a 10- minute walk, as shown in the following graph, wha

