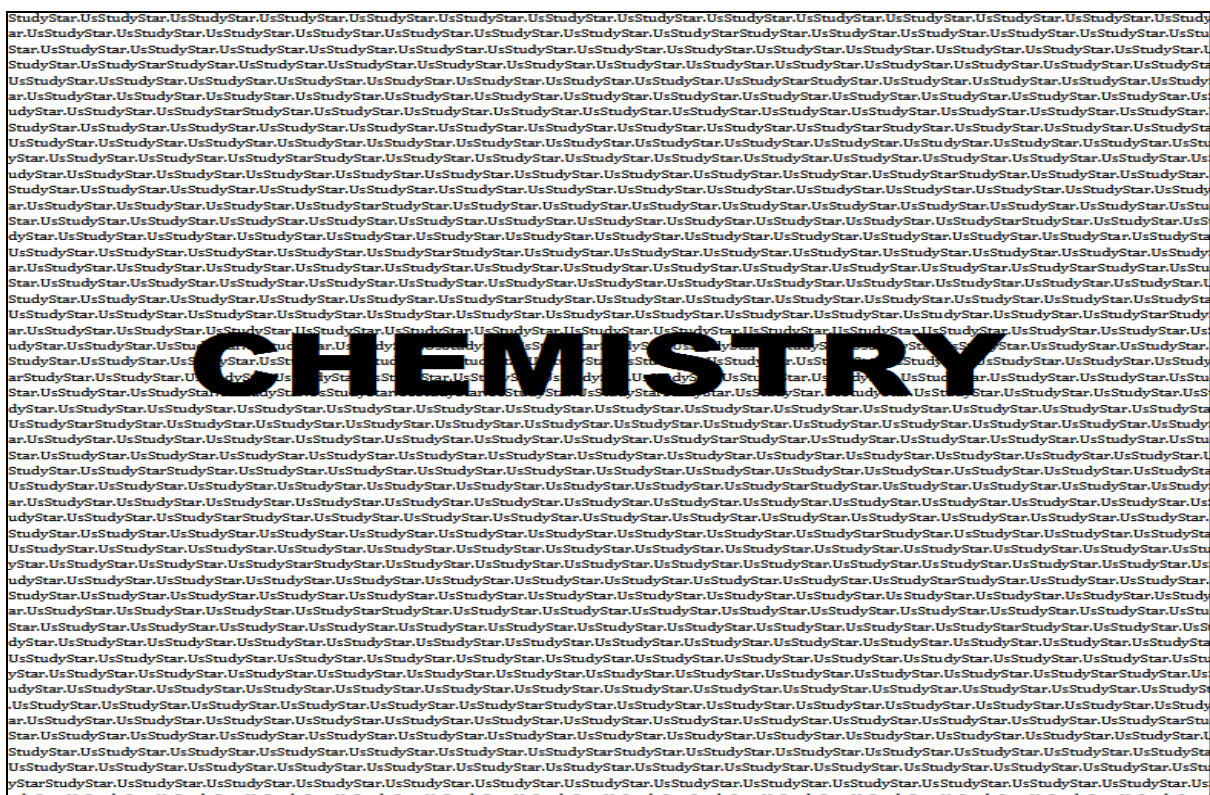




Introduction to Chemistry

Total Marks: 25

Duration: 0 hours, 20 minutes

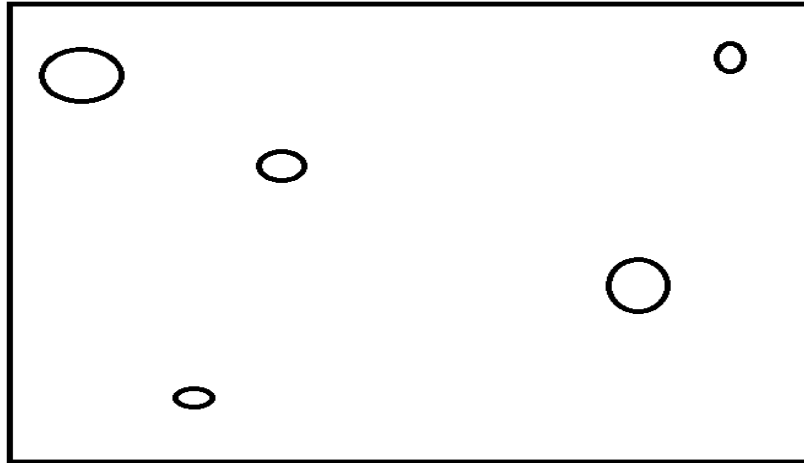
Instructions to test takers

1. Answer all the questions in this paper
2. All the answers for the questions in this paper will be found on **Study Star** (www.studystar.me)
3. Using the answers on the website, mark yourself truthfully and carefully.

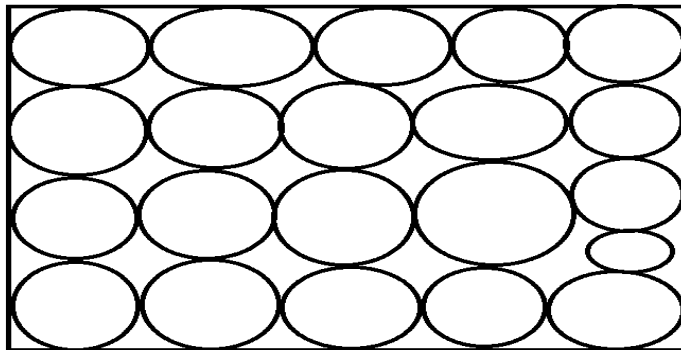
Turn this page, time yourself and begin the test

Section A [10 marks]

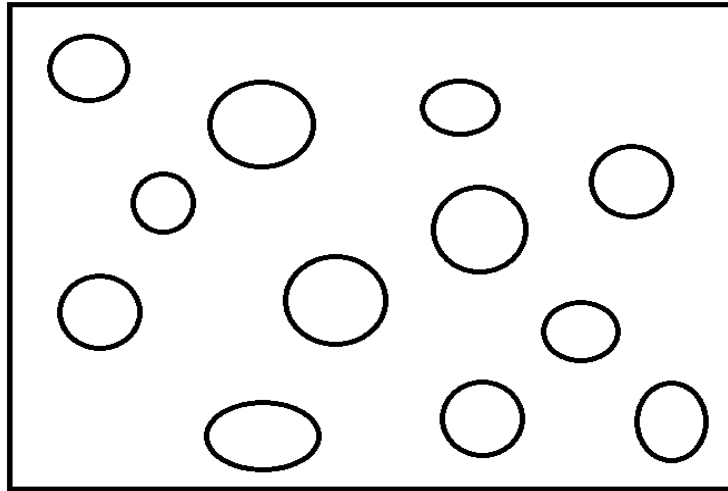
1. Which of the following is a basic building block of matter?
 - a. Gas
 - b. Atom
 - c. element
2. Which of the following is a liquid?
 - a.



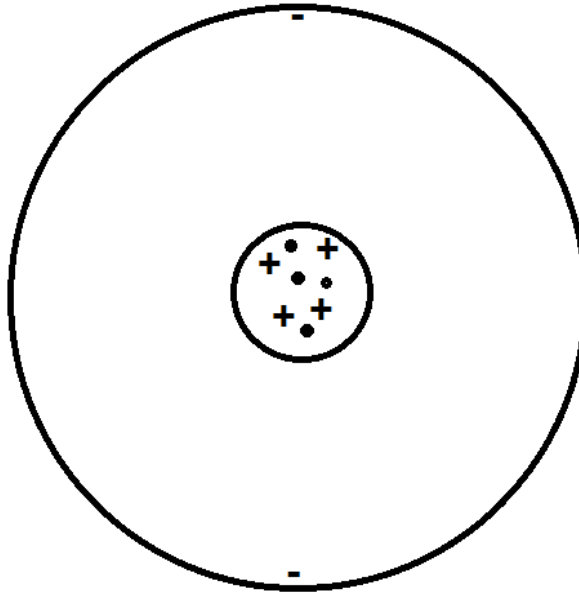
b.



c.

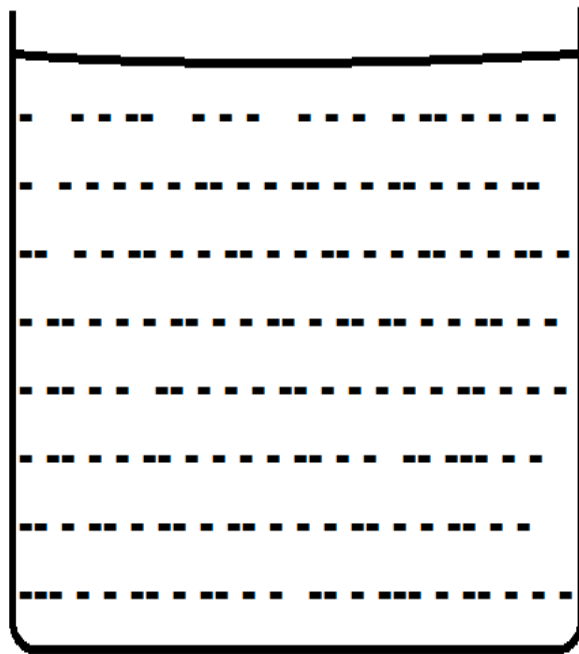


3. The diagram below shows



- a. An element
 - b. An atom
 - c. A molecule
4. The change of state from solid to gas is called
- a. Evaporation
 - b. Sublimation
 - c. Condensation
5. The melting point of a substance is
- a. The point at which all solid changes to liquid

- b. The point at which all liquid changes to solid
 - c. The point at which a substance starts melting
6. State the melting point of water
- a. 0 °C
 - b. 1 °C
 - c. -1 °C
7. The movement of particle from a region of high concentration to a region of low concentration is
- a. Osmosis
 - b. Translocation
 - c. diffusion
8. Which state of matter has a fixed shape and volume?
- a. Liquid
 - b. Solid
 - c. gas
9. The force that makes particles attract to others is called
- a. Intermolecular forces of attraction
 - b. Attractive forces
 - c. Particle attraction forces
10. The diagram shown below is a



- a. Solid
- b. Liquid
- c. gas

Section B [5 marks]

11. The term used to describe the continuous random motion of particles is called
12. The direct change of state from gas to solid is called
13. The amount of liquid or gas diffusing in a unit of time is called
14. The decrease in concentration of a solution is called
15. Any substance that occupies space and has mass is

Section c [10 marks]

16. State three factors that determine the purity of a substance. [3]
17. State three factors that affects the rate of diffusion. [3]
18. State two applications of diffusion. [2]
19. State the kinetic theory of matter. [1]
20. Define the term 'rate of diffusion'. [1]



A top student's secret tool