

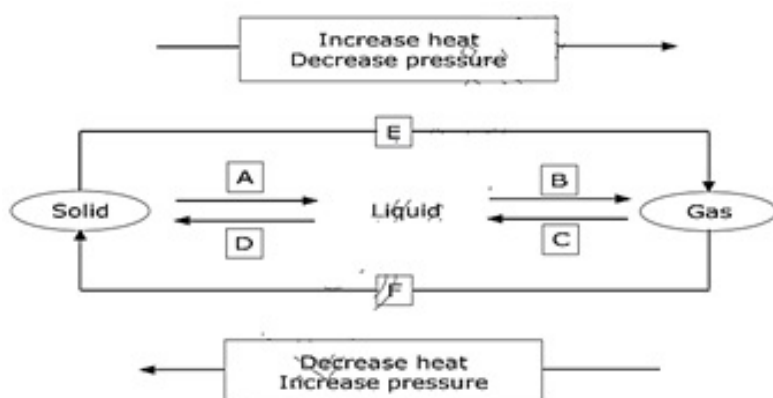
CBSE Class – 9 Science
Test Paper-22

General Instructions :-

1. All questions are compulsory.
2. There is no overall choice. However an internal choice has been provided.
3. Marks allocated to each question are indicated against it.

Chemistry

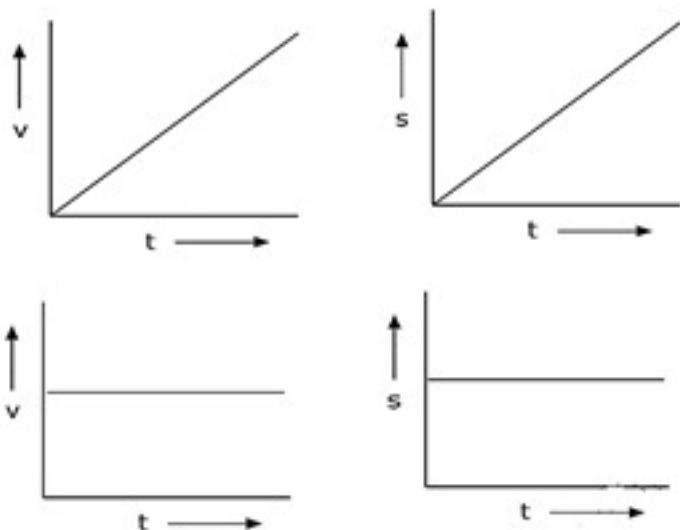
1. Convert the following temperature into Celsius scale [2]
 - a. 400 K
 - b. 673 K
2. What is the physical state of water at [2]
 - a. 250°C
 - b. 100°C
3. What produce more severe burns, boiling water or steam? Give reason. [2]
4. Name A, B, C, D, E and F in the following diagram. [3]



5. Give reasons for [4]
 - a. We can easily move our hand in air but to do the same through a solid block of wood we need a karate expert.
 - b. B. Naphthalene balls disappear with time without leaving any solid.

Physics

1. Under what conditions is the magnitude of average velocity of an object equal to average speed? [1]
2. Interpret the type of motion represented by the following graphs. [1]



3. Why is the motion in a circle at constant speed called accelerated motion? [2]
4. Differentiate between speed and velocity? [2]
5. A motorboat starting from rest on a lake accelerates in a straight line at a constant rate of 3.0m/s^2 for 8.0s . How far does the boat travel during this time. [3]
6. An athlete completes one round of a circular track of diameter 200 m in 40s . What will be the distance and displacement at the end of $2\text{ minutes } 20\text{s}$? [3]

Biology

1. Name two organelles which contain their own genetic material [2]
2. Differentiate between prokaryotic and eukaryotic cell (Give any 2 differences) [2]
3. Which organelle is known as the power house of the cell? Why? [2]
4. Give the function of following cell organelles [2]
 - i. Ribosomes
 - ii. Chloroplast
 - iii. Lysosomes
5. List any four differences between a plant cell and an animal cell. [2]
6. Draw a well labeled diagram of a typical animal cell as seen under electron microscope. [4]