

25. Rate of diffusion depends upon:

- (a) Temperature (b) Surface area (c) Both temperature and surface area (d) None of these

26. The melting point temperature of the solid state of a substance is 40°C . The freezing point temperature of the liquid state of the same substance will be:

- (a) 35°C (b) 40°C (c) 45°C (d) Can't predict

27. Which one will help to accelerate the process of evaporation of a liquid kept in an open china dish?

- (a) Keeping dish in open (b) Blowing air into the liquid
(c) Keeping the dish under a running fan (d) All the above

28. When a gas is compressed keeping temperature constant. It results in:

- (a) Increase in collision among gaseous molecules
(b) Decrease in speed of gaseous molecules
(c) Decrease in collision among gaseous molecules

29. Pressure of air at sea level is:

- (a) One atmosphere (b) 760 cm of Hg (c) 76 mm of Hg (d) All are correct

30. Gases can be liquefied by

- (a) increasing pressure (b) decreasing temperature (c) both (a) and (b) (d) decreasing pressure

31. Which of the following is not matter

- (a) Blood (b) Moon rock (c) Electron (d) Humidity

32. Which is more effective in cooling?

- (a) Ice at 273K (b) Water at 273K (c) Water at 373K (d) Ice at 373K

33. 0°C temperature is equal to

- (a) 0K (b) 273K (c) -273K (d) 300K

34. The process involving the change of state from solid to gas is called

- (a) melting (b) boiling (c) fusion (d) sublimation