



ASSIGNMENT-1

CHEMISTRY

CLASS-IX

MATTER IN OUR SURROUNDING

- 1) DEFINE BOILING POINT.WRITE DOWN THE BOILING POINT OF WATER IN CELSIUS SCALE AND KELVIN SCALE
- 2) WHAT IS THE PHYSICAL STATE OF WATER IN a) 250°C b) 100°C ?
- 3) EXPLAIN THE FACTORS THAT AFFECTS THE RATE OF EVAPORATION WITH EXAMPLES
- 4) "EVAPORATION CAUSES COOLING" JUSTIFY THE STATEMENT.
- 5) DIFFERENTIATE BETWEEN EVAPORATION AND BOILING.
- 6) WHAT DO YOU MEAN BY INTERCONVERSION OF MATTER? DRAW A FLOW CHART TO SHOW THE CHANGE OF STATE?
- 7) WHY PERSPIRATION KEEPS OUR BODY COOL?
- 8) WHAT DO YOU MEAN BY LATENT HEAT OF FUSION? GIVE A PRACTICAL APPLICATION OF IT.
- 9) WHY DOES THE SMELL OF HOT FOOD CAN BE SMELT FROM A DISTANCE? EXPLAIN.
- 10) WHAT DO YOU MEAN BY SUBLIMATION? EXPLAIN BY AN ACTIVITY HOW CAN WE SEPARATE A MIXTURE OF AMMONIUM CHLORIDE AND SALT USING SUBLIMATION?
- 11) DEFINE a) COMPRESSIBILITY b) RIGIDITY c) FLUIDITY
- 12) DESCRIBE BY AN ACTIVITY TO SHOW THAT PARTICLES OF MATTER HAVE SPACE BETWEEN THEM
- 13) DIFFERENTIATE BETWEEN SOLID, LIQUID AND GAS (5POINTS)
- 14) EXPLAIN BY AN ACTIVITY HOW CAN ONE DETERMINE THE MELTING POINT OF ICE WITH A DIADRAM.
- 15) GIVE REASONS-
 - a) A LIQUID GENERALLY FLOWS EASILY.



- b) ICE AT ZERO DEGREE CELCIUS APPEARS COLDER IN THR MOUTH THAN WATER AT THE SAME STATUS.
- c) DOCTORS ADVISE TO PUT STRIPS OF WET CLOTHES ON THE FOREHEAD OF A PERSON HAVING HIGH FEVER.

16) HOW DOES TEMPERATURE AFFECT THE PROCESS OF CHANGE OF STATE.

17) EXPLAIN BY ACTIVITY TO SHOW THAT PARTICLES OF MATTER ARE IN RANDOM MOTION.

18) WRITE A SHORT NOTE ON PLASM

19) WRITE A SHORT NOTE ON BEC

20) WRITE A SHORT NOTE ON DRY ICE

