

WELLAND GOULDSMITH SCHOOL, PATULI

CLASS-VII

CHEMISTRY

CHANGES IN THE WORLD AROUND US (CONTINUATION)

SUMMARY

- *Matter* can be changed from one state to another by absorbing or evolving heat energy.
- *Evaporation* is the process in which a liquid changes into vapour. It is a surface phenomenon and it takes place at all temperatures.
- The constant temperature at which liquid changes to vapour is known as *boiling point* and the phenomenon is referred to as *boiling*. It is bulk phenomenon.
- The process in which a gas changes to liquid by giving out heat is known as *condensation*. It takes place when the temperature is decreased.
- The process in which a substance mixes thoroughly in another substance is known as *dissolution*.
- More is the temperature, more is the dissolution; greater the stirring, more is the dissolution and more is the concentration of solvent more is the dissolution.
- In *freezing/solidification* a liquid substance loses heat and gets converted to solid whereas in *melting/fusion* a solid absorbs heat and gets converted to liquid.
- The process in which iron forms a layer of powdered iron oxide over it in the presence of air and water is known as *rusting*.
- The process in which a substance burns in oxygen to give off heat and light is known as *burning*.