

CLASS-10
PHYSICAL SCIENCE
PERIOD PLANS
CHAPTER: 01 – HEAT

PERIOD PLAN-07 :

Evaporation – activities

Content Analysis	Class Room Environment	Teaching Learning Material
<p>Evaporation : The process of escaping of molecules from the surface of a liquid at any temperature is called evaporation.</p>	<p>Activity-15: Take 5ml of spirit in dish with lid. And take 5ml of spirit in another dish without lid. Keep them some time and observe what happens? Observation : The spirit in the dish that kept without lid disappears, where we find some spirit in the other dish having lid.</p>	<p>Spirit, small dishes-2, lid-1</p>
<p>Affecting factors of evaporation :(1) Evaporation depends upon the surface area of the liquid.</p>	<p>Activity-16: Take 5ml of spirit in a small plate And take 5ml of spirit in another big plate (without lid). Keep them some time and observe what happens? Observation : The spirit in the big dish that disappears quickly, where we find some spirit in the other dish which is small.</p>	<p>Spirit, small plate, big plate</p>
<p>Affecting factors of evaporation :(2) Evaporation depends upon wind speed.</p>	<p>Activity-17: Take 5ml of spirit in two small plates. Put one plate in an almirah and put the another under the ceiling fan. observe what happens? Observation : The spirit in the plate which is placed under the ceiling fan disappears quickly, where we find some spirit in the other plate which is put in almirah.</p>	<p>Spirit, two small plates</p>
<p>Affecting factors of evaporation :(3) Evaporation depends upon temperature.</p>	<p>Activity-18: Take 5ml of spirit in two small plates. Put one plate in the room and put the another under the sun light. observe what happens? Observation : The spirit in the plate which is placed under the sun light disappears quickly.</p>	<p>Spirit, two small plates</p>
<p>Affecting factors of evaporation :(4) Evaporation depends upon humidity .</p>	<p>Activity-19 : (Ask the students to suggest an activity and advise them to do)</p> <p>Observation :</p>	
<p>Evaporation : The process of escaping of molecules from the surface of a liquid at any temperature is called evaporation. Evaporation is a cooling process. Evaporation is the phase change from liquid to gas at any temperature.</p>	<p>Conversation : About evaporation and related concepts.</p>	<p>AV- Clip</p>