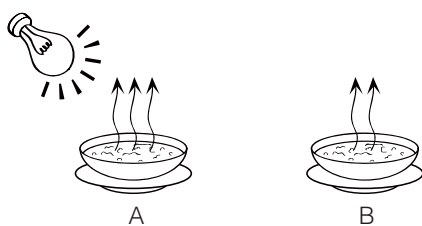
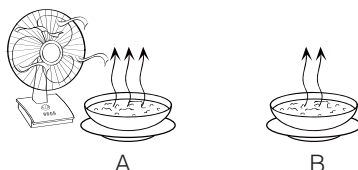
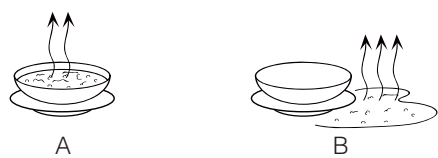
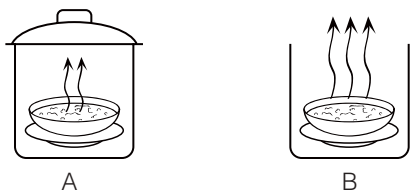


Factors Affecting Evaporation

How fast evaporation takes place depends on several factors.

Factor	Rate of evaporation
<p>① Temperature Of The Surroundings / Substance</p>	<p>The higher the temperature, the faster the rate of evaporation. Wet clothes tend to dry faster on a sunny day.</p>  <p>The temperature of water in bowl A has increased because of the lamp shining above it. Thus, evaporation takes place at a much faster rate in bowl A than bowl B.</p>
<p>② Presence Of Wind</p>	<p>If there is wind, the wind blows away the water vapour as it is formed, so more water vapour can rise into the air. The rate of evaporation increases as the wind speed increases</p>  <p>The water vapour is removed from the surface of the water in bowl A faster because of the presence of the fan blowing at it. Thus, evaporation takes place at a much faster rate in bowl A than bowl B.</p>
<p>③ Exposed Surface Area Of Water</p>	<p>Since evaporation takes place from the surface of the liquid, the greater the exposed surface area, the faster the rate of evaporation.</p>  <p>Both containers A and B contain the same volume of water. The water in bowl B is poured out onto the table. With a larger surface area, more heat and wind can assist in the evaporation of the water when the water is on the table. Therefore, evaporation takes place at a much faster rate on the table than in bowl A.</p>
<p>④ Humidity (amount of water vapour in the air)</p>	<p>On a humid day when there is already a lot of water vapour in the surrounding air, evaporation takes place more slowly.</p>  <p>Bowl A is placed in a container and it is covered with a lid. As the water evaporates into water vapour, it takes up the space inside the container. Soon, there is a lot of water inside the container. This is referred to as humidity. When humidity is high, water is not able to evaporate as quickly as before. Therefore, evaporation takes place at a much faster rate in bowl B than bowl A.</p>