

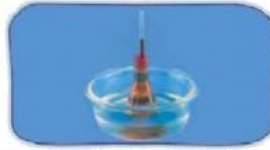
Tick (✓) the correct word on the condition of materials.
 State the effect of heat on material whether it 'expand' or 'contract'.



Light the Bunsen burner and heat the metal ball for three minutes.

gain heat	lose heat
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Effect : _____



Put the conical flask into the glass container filled with hot water

gain heat	lose heat
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Effect : _____



Immerse the plastic bottle into the glass container filled with ice

gain heat	lose heat
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Effect : _____



Put the metal ball into the glass container filled with water.

gain heat	lose heat
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Effect : _____



Put the conical flask into the glass container filled with ice

gain heat	lose heat
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Effect : _____



Immerse the plastic bottle into the glass container filled with hot water

gain heat	lose heat
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Effect : _____

Choose the correct answers by referring to the situations given.



The air in the drinking bottle _____ when it _____ from the hot water. This causes the bottle cap to pop off.



When the ice cubes are put into the glasses, the glasses will _____ because they _____. Thus, the overlapping glasses can be separated.



Gaps between connectors on a metal bridge

The gaps between metal connectors on the bridge allow the bridge to _____ when the temperature of the surrounding increases.



The gaps between the connectors on a railway track allow the track to _____ when the temperature of the surrounding increases.



The electric cables are hung loosely between the electric poles to allow the wires to _____ when the temperature decreases.