

Kinds Of Clothes We Wear In Summer And Winter



The black (Dark) colour is a good absorber and emitter of heat, whereas the white (light) colour reflect the heat.

Example:

Four metal cans are identical except for the colours. 100 cm³ of water at 70°C is poured into each can. Which can cool more rapidly?



Solution:

Black colour is a good absorber and good emitter of radiation (heat).

Heat lost by radiation will be fastest in the Black coloured container because darker bodies absorb and emit heat radiation better than bodies of lighter colour.

So, Black coloured container loses heat fastest and cools down most rapidly.