


Reasons to wear white or light-coloured clothes in summer and dark-coloured and woollen clothes in winter-

Light colours are the best reflectors of heat falling and as a result light coloured



clothes reflect maximum amount of heat they receive and make us feel cool to some extent and hence we feel more comfortable wearing them in the summer.




Heat Radiated by Sun



**Heat radiated by sun
is reflected back**






But on the other hand dark colours are good absorbers of heat falling on them and as a result the dark coloured clothes absorb maximum amount of heat they receive and makes us feel warm and comfortable during winter.



Heat Radiated by sun




Heat Radiated by sun is
absorbed



Winters seasons are also accompanied with woollen clothes. This is due to the reason that wool being a poor conductor of heat traps the air in between the woollen fibres. The trapped air prevents the flow of heat from our body to the cold surroundings and vice versa thereby making us feel warm.



PLENARY



Q. Explain in brief, why we wear dark coloured clothes in winter and light coloured clothes in summer.

A. We wear dark coloured clothes in winter to keep us warm as they absorb all the heat radiation coming from the sun whereas light coloured clothes reflect most of the heat radiation coming from the sun that falls on them and therefore we feel more comfortable wearing them in the summer.



ASSESSMENT



Q. Explain the reason for the shiny reflectors of room heaters.

A. Since, the shiny surface absorbs very little heat due to which the reflectors reflect all the heat which makes the room heaters more effective. So, due to this reason, room heaters have shiny reflectors.