Name : _____ Class :_____

Heat conductors and Heat Insulators

	Heat conductors	Heat Insulators
Definition	Heat conductors are materials that _____ **heat** to flow through them	Heat insulators are materials that _____ **heat** to flow through them
Importance	• The base of iron is made of metal that enable it to conduct heat so that clothes can be ironed quickly • Mercury in thermometers is a good conductor and can detect changes in temperature very quickly	• Oven gloves are heat insulators that prevent your hands from getting burned • Cooking utensils made of wood are capable of preventing heat from flowing to the hand while cooking

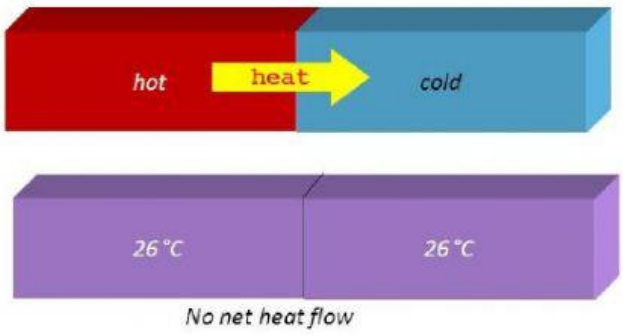
1. Thermal equilibrium

i) Two objects which are in **thermal contact** can transfer heat energy between them.

ii) The heat energy is transferred from the object with _____ temperature to the object with lower temperature

iii) When there is **no net transfer of** _____ **energy** between objects, the objects are said to be in **thermal equilibrium.**

iv) Two objects that are in thermal equilibrium has the _____**temperature**



No net heat flow

LIVEWORKSHEETS