

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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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

- Two objects which are in **thermal contact** can transfer heat energy between them.
- The heat energy is transferred from the object with _____ temperature to the object with lower temperature
- When there is **no net transfer of** _____ **energy** between objects, the objects are said to be in **thermal equilibrium**.
- Two objects that are in thermal equilibrium has the _____ **temperature**

