

Transfer of Heat (Conduction)



Conduction: The process of flow of heat from a hot object to cold object is called **conduction**.

For Example: Flame \longrightarrow pan \longrightarrow surrounding

The handle of a pan gets hot when the pan becomes hot and so a wooden or plastic handle is made for them.



Good and Poor Conductors of Heat and Insulators

The materials which allow heat to flow through them easily are called **good conductors of heat**. All metals and their alloys are good conductors of heat. E.g. silver, aluminum, etc.

The materials which do not allow heat to flow through them easily are called **poor conductors of heat**. E.g. water, air, etc.

Materials which are nonconductors of heat and electricity are called **insulators**. E.g. mica, plastics, etc.