

For following set of questions select your answer from; Conduction, Convection or Radiation.

**Question 1**

What method of heat transfer occurs mainly in solids?

*Conduction*

**Question 2**

What method of heat transfer can occur in a vacuum?

*Radiation*

**Question 3**

What method of heat transfer occurs when particles with a lot of energy take the place of those with less?

*Convection*

**Question 4**

What method of heat transfer do we see in our weather patterns?

*Convection*

**Question 5**

During a house fire, the smoke and flames rise up, but the air down near the floor is cooler and less smoky. This is an example of

*Convection*

**Question 6**

When a metal spoon with a temperature of 20 °C is placed into a cup of water with a temperature of 90 °C the spoon will heat up. This is an example of:

*Conduction*

**Question 7**

The transfer of heat between substances that are in direct contact with each other is called what?

*Conduction*

**Question 8**

This type of heat transfer transfers heat in all directions.

*Radiation*