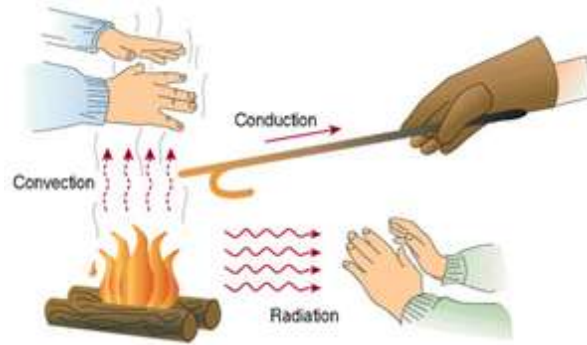


Heat Transfer :)

How is heat transferred?

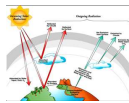
- from an area of high temperature to an area of low temperature



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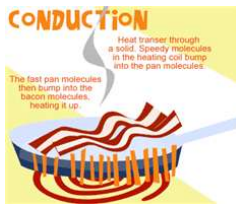
Radiation

- transfer of energy by electromagnetic waves which are spread out from a central location
- feel it from a bonfire or a stove
- the hotter the object, the more it will radiate



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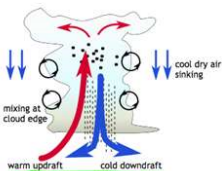
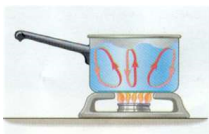
Conduction



- transferred from one location to another without the movement of matter itself
- 2 objects are touching in order for transfer to occur
 - metal spoon in soup bowl gets warm
 - pot on burner gets hot

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Convection



- transfers in water or air
- transfers by the movement of currents within a fluid
- example- water at bottom of pot gets heat, rises to the surface; water then boils
- convection currents transfer heat throughout a building or house
 - upstairs is usually warmer than downstairs

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