

# Notes- Heat Transfer

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| <b>Heat Transfer</b> | <ul style="list-style-type: none"> <li>The _____ of thermal energy from a _____ to _____ substance.</li> </ul> <p><b>There are 3 types of heat transfer:</b></p>                         |
| <b>1. Conduction</b> | <ul style="list-style-type: none"> <li>The transfer of heat through _____.</li> <li>_____ conduct heat well.</li> </ul> <p>Examples of Conduction:</p> <p>_____</p>                      |
| <b>2. Convection</b> | <ul style="list-style-type: none"> <li>The transfer of heat through a _____ or _____ in a _____.</li> </ul> <p>Examples of Convection:</p> <p>_____</p>                                  |
| <b>3. Radiation</b>  | <ul style="list-style-type: none"> <li>The transfer of heat _____ direct contact (radiation can travel through _____ or a vacuum).</li> </ul> <p>Examples of Radiation:</p> <p>_____</p> |
| <b>Insulator</b>     | <ul style="list-style-type: none"> <li>_____ or slows down the _____ of energy.</li> <li>List examples of insulators:</li> </ul> <p>_____</p> <p>_____</p>                               |
| <b>Conductor</b>     | <ul style="list-style-type: none"> <li>Allows energy to <u>easily</u> transfer through the object.</li> </ul> <p>List examples of conductors:</p> <p>_____</p> <p>_____</p>              |