***Notes- Heat Transfer***

**Heat Transfer**

**1. Conduction**

**2. Convection**

**3. Radiation**

**Insulator**

* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of thermal energy from a \_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_ substance.
* There are 3 types of heat transfer:
* The transfer of heat through \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.
  + \_\_\_\_\_\_\_\_\_\_\_\_ conduct heat well.

Examples of Conduction:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The transfer of heat through a \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ in a \_\_\_\_\_\_\_\_\_\_\_\_\_.

Examples of Convection:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The transfer of heat \_\_\_\_\_\_\_\_\_\_\_\_\_\_ direct contact (radiation can travel through \_\_\_\_\_\_\_\_\_\_\_ or a vacuum).

Examples of Radiations:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* An insulator is any material that \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of heat.

List examples of conductors:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List examples of insulators:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
|  |  |
| Horizon O |  |
| Horizon A |  |
| Horizon B |  |
| Horizon C |  |
| Horizon R (Bedrock) |  |