

Demo Notes: Conductometer (Draw and label observations)

Conductors (description and example)
allows _____ (or energy) to
pass through _____

①

②

Insulator (description and example)
does _____ allow heat (or energy)
to pass through easily

①

②

Type of Heat Transfer
(and mediums can
travel through)

How it works

Example

Picture

Conduction

Mediums:

_____,
liquids + gases

by _____
or direct
contact

Demo Notes: Water/Food coloring



Demo Notes: Coffee Filter (draw show arrows)

Type of Heat
Transfer (and
mediums can travel
through)

How it works

Example

Picture

Convection

Mediums:

_____ and
_____ only

heat transfer
by _____
of a fluid
(liquid/gas)

Demo Notes: Black vs White Graduated Cylinder (draw / label)

| Type of Heat Transfer (and mediums can travel through) | How it works | Example | Picture |
|---|------------------------|---------|---------|
| Radiation Mediums: <u>all matter and _____</u> | heat transfer by _____ | | |

Ball and Ring Demo Notes: (Draw / label)

| Thermal Expansion | | Thermal Contraction | |
|--|---------|---|---------|
| Description | Picture | Description | Picture |
| particles move _____ due to heat being added | | particles move _____ together due to heat being released (taken away) | |
| Examples: ① ② ③ | | Examples: ① ② ③ | |