Heat transfer definitions 1

**Conduction is:**

When an object is heated its particles \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more

These vibrating particles\_\_\_\_\_\_\_\_\_\_\_\_ with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ particles

This causes their neighbouring particles to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more as they get heated up

In this way heat energy moves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ an object

A poor conductor of heat, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is one where the particles do not easily \_\_\_\_\_\_\_\_ the vibration of neighbouring particles

**Convection is:**

When particles in a liquid or gas heat up they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ faster

These faster moving particles take up \_\_\_\_\_\_\_\_\_\_ room and become \_\_\_\_\_\_\_\_\_\_\_\_\_\_ dense

Less dense particles rise up above cooler more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ particles

Thus the heat energy is transferred up

**Radiation is:**

When w\_\_\_\_\_\_\_\_\_\_\_\_ of solar \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ strike an object

Darker objects \_\_\_\_\_\_\_\_\_\_\_\_\_\_ more radiation than light or shiny ones (they \_\_\_\_\_\_\_\_\_\_\_ radiation)

As radiation is absorbed the object will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ up

Thus dark objects get hotter than light objects

Heat transfer definitions 2

**Conduction is:**

When an object is heated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

These vibrating particles\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This causes their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In this way heat \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A poor conductor of heat, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Convection is:**

When particles in a liquid or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

These faster \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Less dense \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thus the heat energy is transferred up

**Radiation is:**

When \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Darker objects \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

As radiation is absorbed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thus dark objects get hotter than light objects

Now without any help?