

RADIATION

CONDUCTION

CONVECTION

a way that energy transfers

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electromagnetic waves

Molecules do not relocate. They stay where they are and wiggle.

Molecules MOVE to new locations taking their heat with them.

Nothing touching

Excited molecules TOUCH other molecules and cause them to have more motion.

Warm molecules rise, cold molecules sink. Circulation.

No wiggling molecules or relocating molecules are needed.

This is the only way solids can transfer heat.

Only gases and liquids can do this.