5/12

Heat → thermal energy

transfers
- conduction -
- convection -
- radiation -

video...

- Heat is a form of energy
- Radation - heat moving through air/medium
- Conduction - something touching direct heat
- Convection - heat being pushed through air/medium
- Everything with molecules has heat
- The colder something is the molecules move slower
- More thermal energy: Water or Frozen Swan Sculpture
  ↳ It's the swan because it's large. It has more thermal energy even if it's colder. More molecules = more thermal energy.
- No molecules in a vacuum.
- If brownies (same amount), get heated (at same temp) during the same time, if there is 15 in glass dish, 5 in metal the glass will cool faster than the metal.
- Coats, blankets, gloves, hats etc... keep out the cold and traps the heat in.

1) D) all of the above
2) A) moving slower than warmer things
3) B) a large ice sculpture
4) B) convection
5) A) glass pan

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