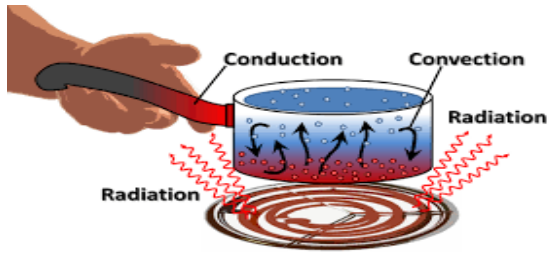


# Bill Nye [Heat Transfer Video](#) Conduction, Convection & Radiation



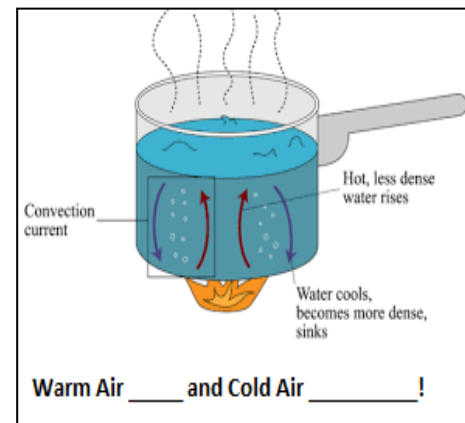
Name: \_\_\_\_\_

Date: \_\_\_\_\_ Block: \_\_\_\_\_

1. Heat is a form of \_\_\_\_\_ and can do work.
2. Conduction, convection, and radiation are three (3) ways that heat / matter moves.
3. The invisible heat from the sun is called \_\_\_\_\_.
4. The movement of hot air up to cooler air is \_\_\_\_\_.
5. \_\_\_\_\_ is the transfer of heat from one object to another.
6. All \_\_\_\_\_ have heat.
7. **Circle one:** Moving molecules make things (cool down / heat up).
8. **Circle one:** An object with more molecules has (more / less) heat energy than an object with fewer molecules.
9. Cooler water will sink while warmer water will \_\_\_\_\_.
10. Even cold air radiates \_\_\_\_\_.
11. Heat and light travel in \_\_\_\_\_.
12. Infrared light is also known as \_\_\_\_\_.
13. Gloves, hats, and coats trap \_\_\_\_\_ which keeps you warm
14. Walls, floors, and ceilings \_\_\_\_\_ heat.
15. \_\_\_\_\_ helps keep a room warm and keep out monsters. 😊



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## EXIT SLIP

1. What is conduction? \_\_\_\_\_
2. What is convection? \_\_\_\_\_
3. What is radiation? \_\_\_\_\_
4. Name 2 things you learned from the video:
  1. \_\_\_\_\_
  2. \_\_\_\_\_