

### Heat – Bill Nye Video Study Guide

1. Heat is \_\_\_\_\_ and can do work.
2. Heat moves around the universe in \_\_\_\_\_ ways.
3. Hot air moving up is an example of (conduction, convection, or radiation).
4. A microwave oven uses (conduction, convection, or radiation) to heat foods.
5. A metal spoon heated by hot soup is an example of (conduction, convection, or radiation).
6. Molecules in cold things move more \_\_\_\_\_ than in hot things.
7. Which has more heat energy – the ice sculpture or a lighted match?
8. The transfer of heat by currents through liquids or gases is called \_\_\_\_\_.
9. An infrared camera is sensitive to \_\_\_\_\_ radiation.
10. Liquid Nitrogen's temperature is minus \_\_\_\_\_ degrees Celsius.
11. A thermos bottle uses a \_\_\_\_\_ to keep heat in the thermos.
12. A fire radiates \_\_\_\_\_ waves.
13. The paper spiral turns because of \_\_\_\_\_.
14. Heat is measured in \_\_\_\_\_ or \_\_\_\_\_.
15. Clothes on our body are used to do what to heat?

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16. Where does heat go that your body gives off?

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