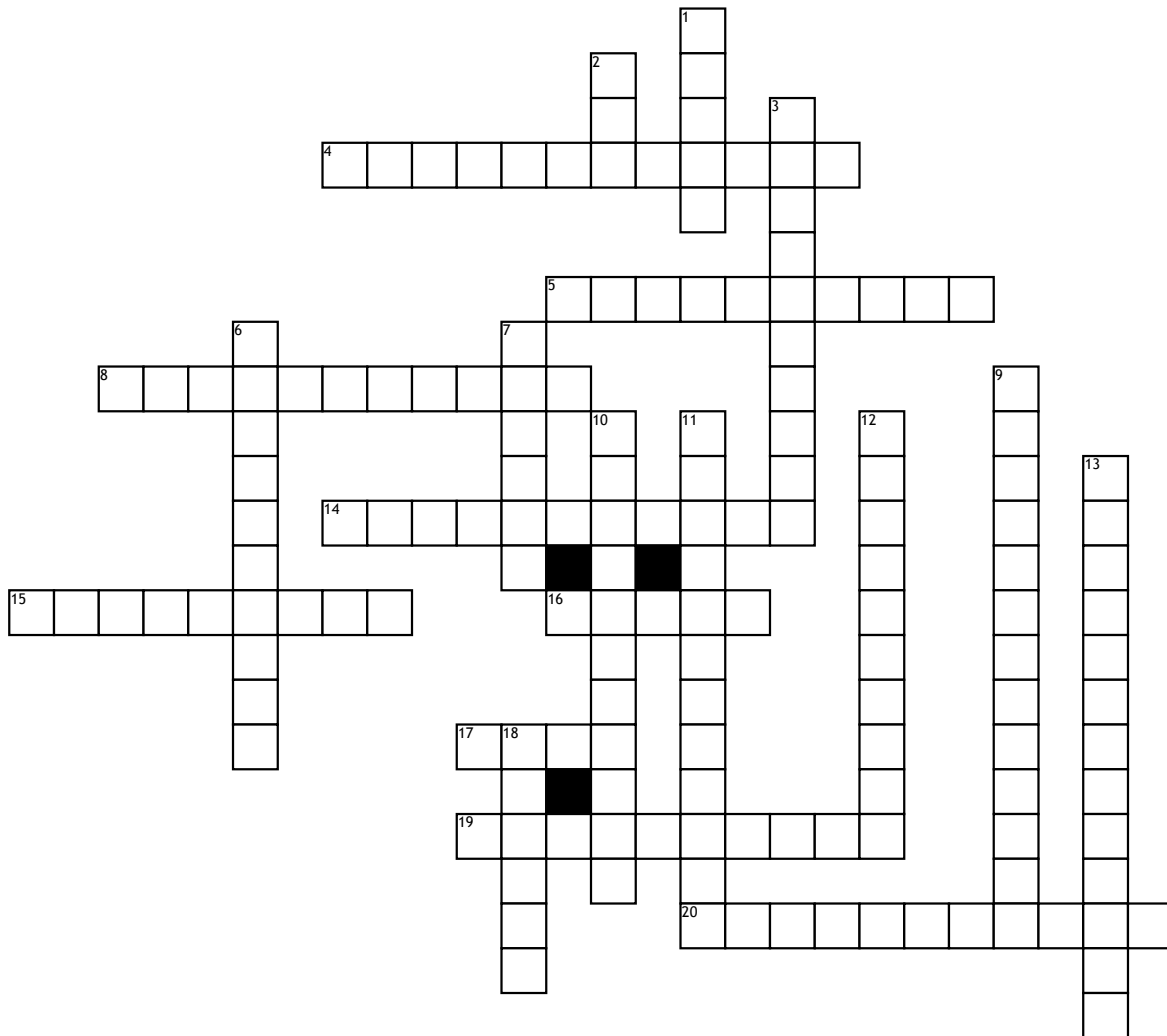


# Heat and Energy



**Across**

- 4. Gas to liquid.
- 5. Releases heat.
- 8. Absorbs heat.
- 14. Solid to gas, endothermic reaction.
- 15. Transfer of energy through electromagnetic waves.
- 16. Definite shape and volume.
- 17. Transfer of thermal energy from warmer objects to cooler objects.
- 19. Gas to solid, exothermic reaction.

20. How hot or cold something is compared to a reference point.

**Down**

- 1. Form in which matter exists.
- 2. Indefinite shape and volume.
- 3. Heat transfer through liquids or gases. Heat rises, cold sinks.
- 6. Transfer of heat from one particle to another, must be touching.

7. Indefinite shape and definite volume.

- 9. Temperature at which a liquid freezes.
- 10. Liquid to gas.
- 11. Temperature at which a liquid boils.
- 12. Absolute zero.
- 13. Total Energy of all particles in an object.
- 18. Can't be created nor destroyed.