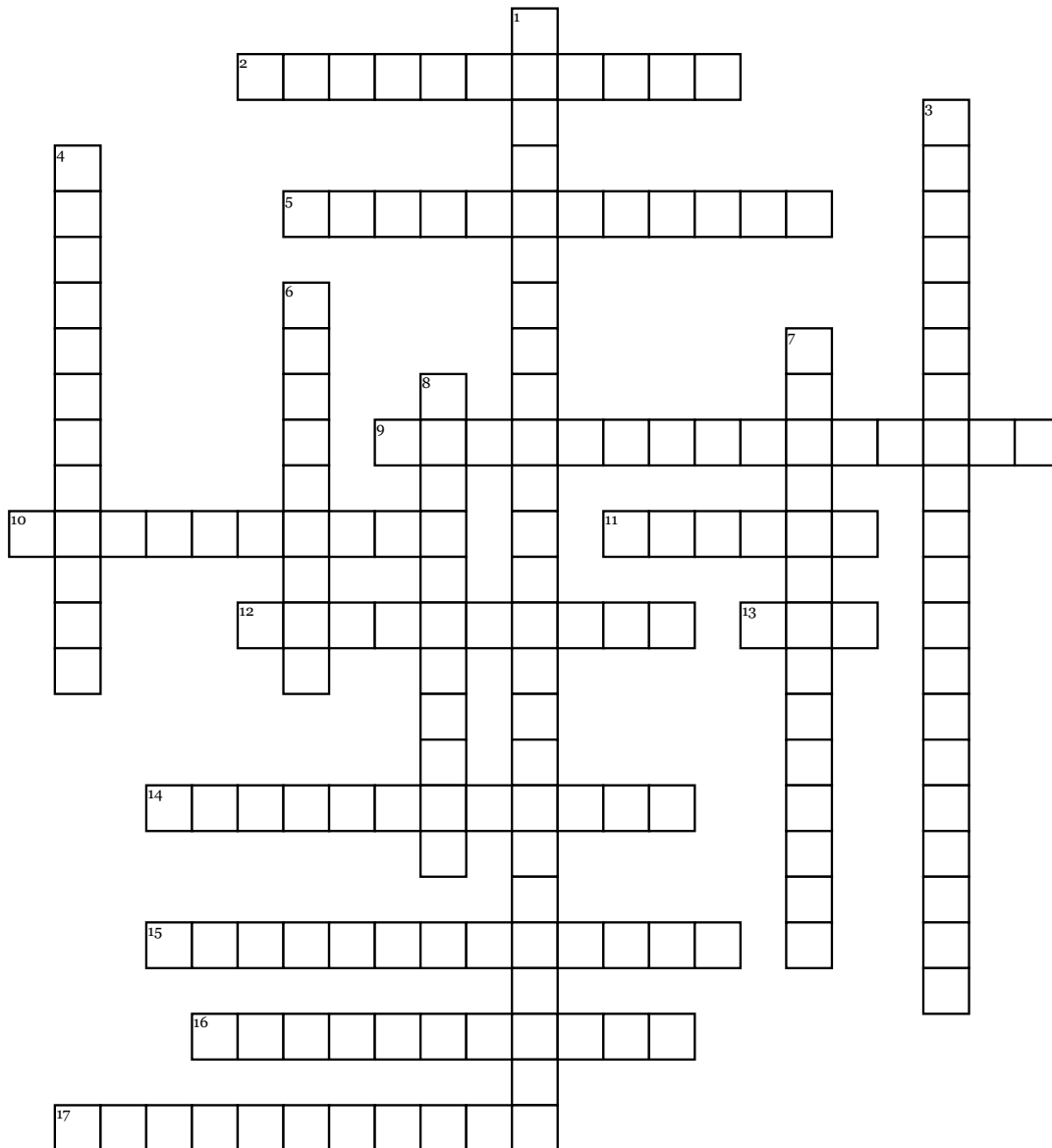


Energy Transformations and Heat Transfer



Across

- 2.** This is what is used to measure thermal energy, and can be in either celsius, fahrenheit, or Kelvin
- 5.** This characteristic describes how easily an object or substance can absorb or release heat
- 9.** Energy that is stored based on an objects position or location
- 10.** A type of heat transfer that occurs when two or more objects are touching
- 11.** This is the state of matter where the molecules are packed closest together

Down

- 12.** This type of heat transfer occurs when warm fluid rises and cooler fluid sinks
- 13.** This is the state of matter where the molecules are spread farthest apart
- 14.** This is the temperature where a liquid becomes a gas
- 15.** The energy generated by the movement of molecules and atoms
- 16.** Once all particles have the same amount of energy, they are said to be in _____
- 17.** This is the type of energy generated by lightning, the sun, or light bulbs

Down

- 1.** This law states that energy can neither be created nor destroyed
- 3.** When energy is changed from one form to another, it is called
- 4.** This is the temperature where a solid object becomes liquid
- 6.** A type of heat transfer that can travel through space
- 7.** This is the type of energy that is contained within wood, food, and batteries
- 8.** This type of energy is caused by the vibration of particles