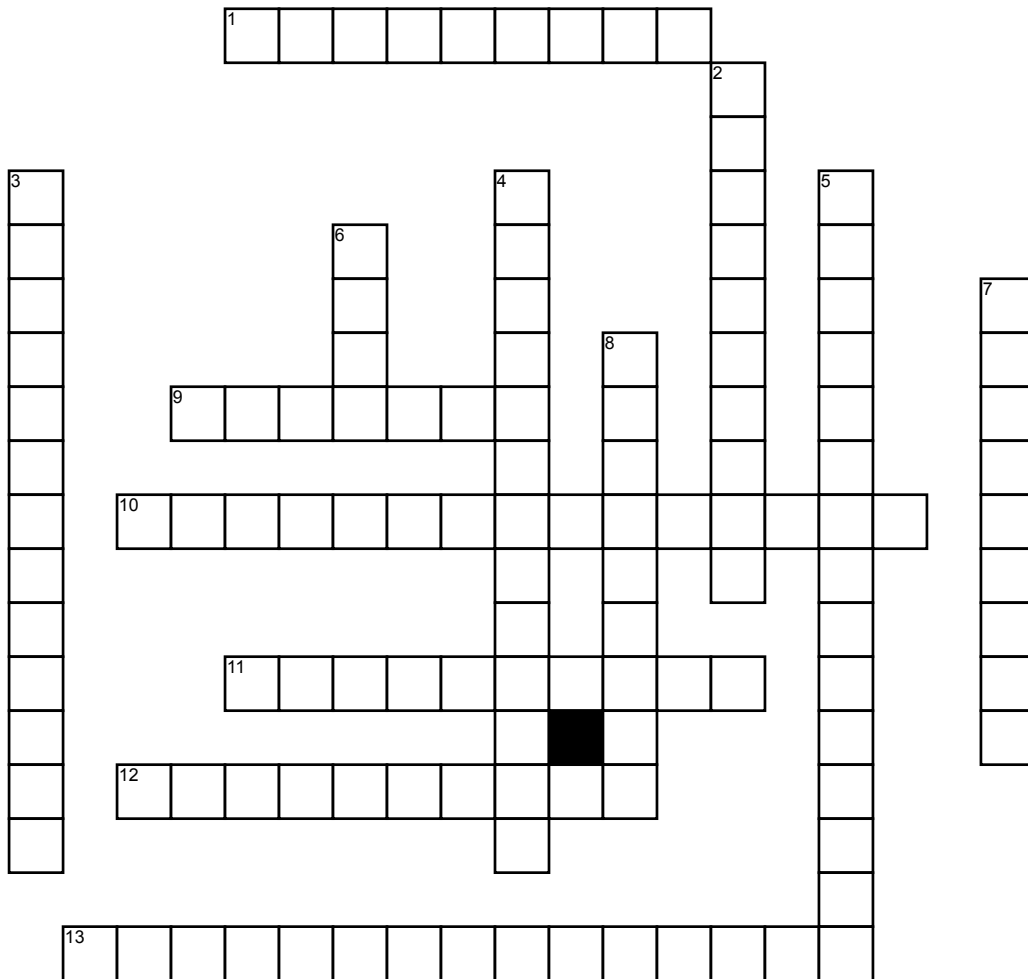


Lessons 3,4,and 5



Across

- 1. A substance that does not easily allow the passage of energy through it.
- 9. An electric pressure or tension.
- 10. The path in which electrons from a voltage flow.
- 11. Process by which heat or electricity is directly transmitted through a substance when there is a difference of temperature or of electrical potential.

- 12. The process in which energy escapes by rising or sinking and leads to the transfer of heat/energy.
 - 13. A closed circuit in which the current flows in two or more paths.
- Down**
- 2. When a conductor opposes an electric current.
 - 3. The total kinetic energy of the particles that make up a substance.

- 4. A closed circuit in which the current flows in one path.
- 5. A flow of electric charge.
- 6. The energy transferred between objects that are different temperatures.
- 7. An object that transmits heat, electricity, or sound.
- 8. The emission of energy as electromagnetic waves or as moving subatomic particles.

Word Bank

- | | | | |
|-----------------|-----------------|------------|-----------------|
| PARALLELCIRCUIT | THERMALENERGY | INSULATOR | ELECTRICCURRENT |
| CONVECTION | ELECTRICCIRCUIT | CONDUCTOR | VOLTAGE |
| CONDUCTION | SERIESCIRCUIT | RESISTANCE | RADIATION |
| HEAT | | | |