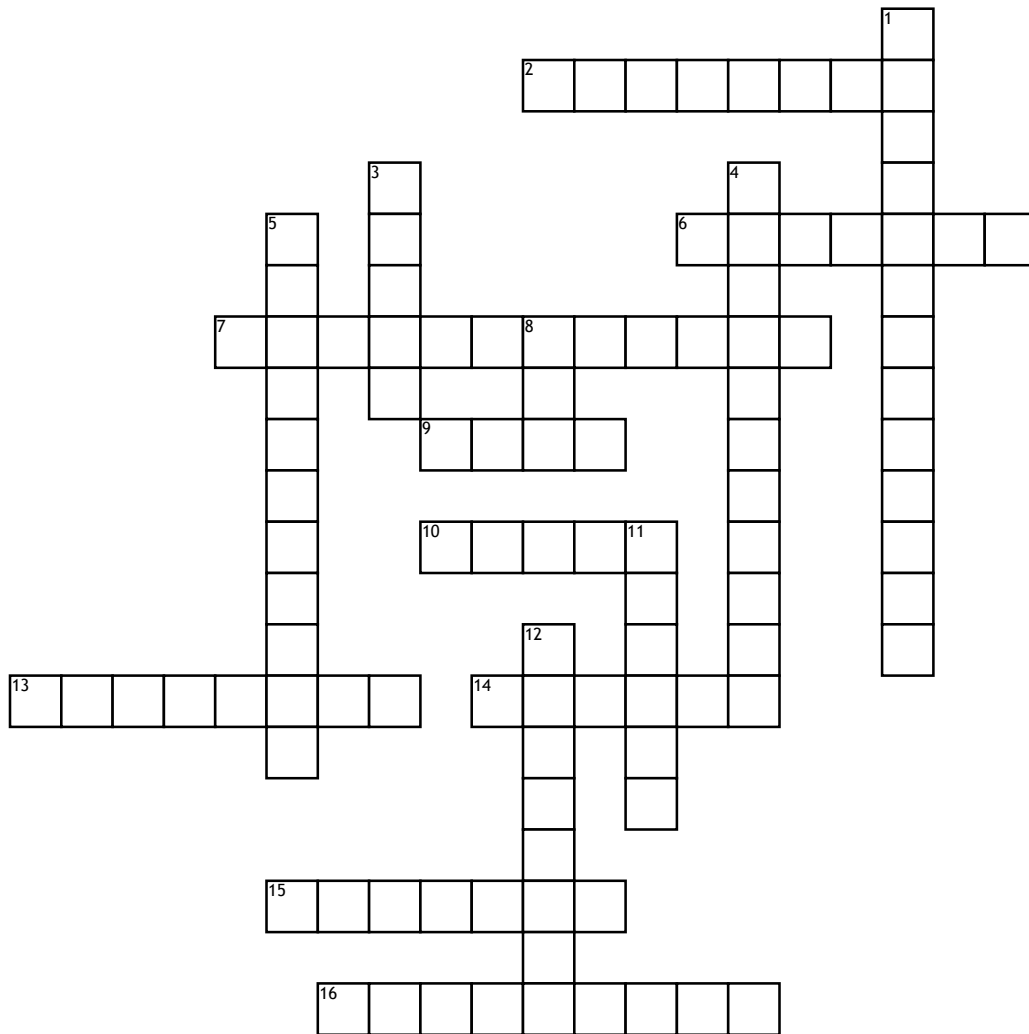


Structure and Properties of Matter



Across

- 2. amount of force applied in a given area
- 6. row on the periodic table
- 7. column on periodic table of elements with similar properties
- 9. the amount of matter in an object
- 10. elements that are shiny, conduct heat, and conduct electricity
- 13. un-reactive group of elements

- 14. the amount of space an object takes up
- 15. amount of mass in a given volume
- 16. elements with characteristics of both metals and nonmetals

Down

- 1. chart grouping elements based on their physical and chemical properties
- 3. state of matter with particles that are close together in a fixed position

- 4. the average kinetic energy of the particles in an object
- 5. transitions between solid, liquid, and gaseous phases involving large energy changes
- 8. state of matter with fast-moving particles and large empty spaces in between
- 11. state of matter with particles that are close together but free-flowing
- 12. elements that are brittle, do not conduct heat or electricity

Word Bank

- | | | | |
|-----------|----------------|---------------|-------------|
| Density | Volume | Phase Change | Temperature |
| Metalloid | Periodic Table | Pressure | Metal |
| Mass | Noble Gas | Family Groups | Solid |
| Periods | Gas | Nonmetal | Liquid |