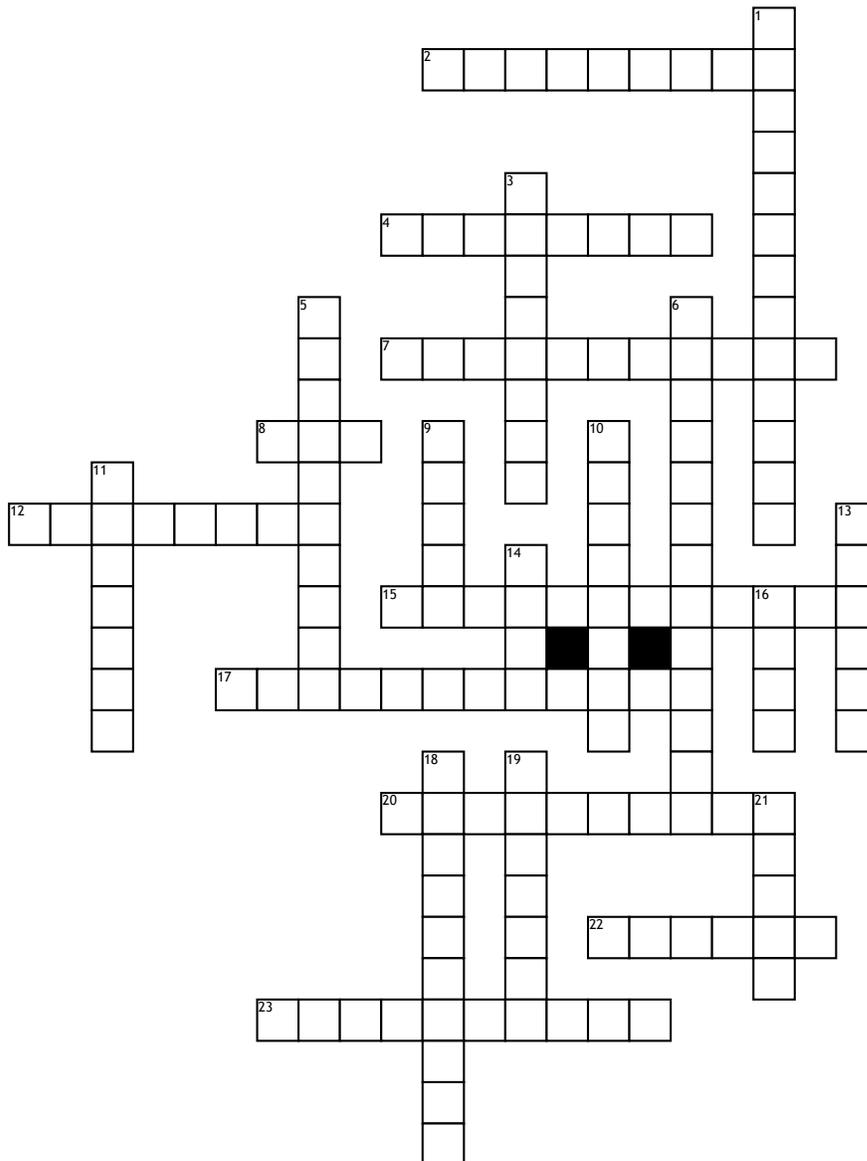


Elements, Compounds and Mixtures



Across

- 2. A _____ is matter with a composition that is always the same.
- 4. Which elements are found in group 17 and react reading with other elements to form compounds?
- 7. evenly mixed
- 8. Particles that move very quickly, spread out, and fill their container
- 12. The _____ property is the ability or inability of a substance to change into new substances.
- 15. Group 1 metals
- 17. Matter is anything that has _____ and _____.
- 20. Group 18 elements
- 22. Particles touch the particles around it, but particles slide past each other so it can take the shape of the container.

23. Nonmetals are poor conductors of electricity and thermal energy, but are good _____.

Down

- 1. A _____ conducts electricity at high temperatures, but not at low temperatures.
- 3. What has atoms of two or more different elements chemically bonded together?
- 5. What elements have physical and chemical properties of both metals and nonmetals?
- 6. not evenly mixed
- 9. A _____ is an element that is generally shiny, is easily pulled into wires, and is a good conductor of thermal energy.

10. A _____ property are used to describe or identify something without changing its makeup.

- 11. The mass per unit volume of a substance.
- 13. What is the ability of metal to reflect light?
- 14. Amount of matter in an object
- 16. The smallest building block of matter
- 18. The ability of one substance to dissolve in another
- 19. This only has one type of atom
- 21. Particles are very close together and cannot easily change shapes