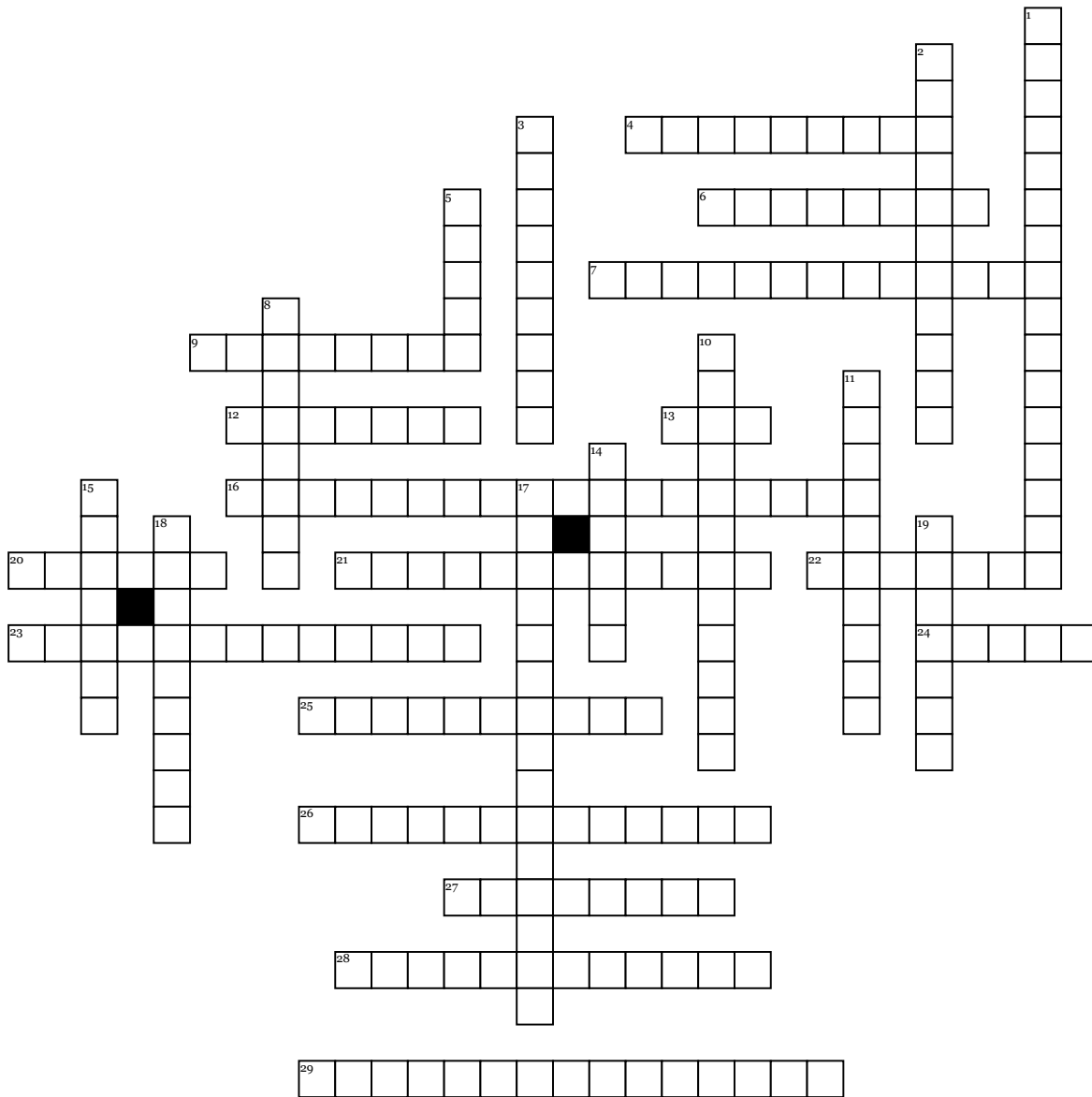


Name: _____

Date: _____

What Makes Up Matter



Across

- 4.** Elements that have a combination of metals and nonmetals.
6. Has a negative electrical charge and is a subatomic particle.
7. Chart that organizes the elements.
9. Atoms of the same element that have different numbers of electrons. Hint: Oxygen
12. Has no electrical charge (Neutral) and is a subatomic particle.
13. When an atom gains or loses one or more electrons, it forms this charged particle.
16. An atom's nucleus is made up of these smaller particles.
20. Has a positive electrical charge and is a subatomic particle.
21. Type of bond formed between atoms in which electrons are shared.
22. Where most of the atom's mass is located

- 23.** Atoms are joined together by forming this.

- 24.** Element that is a good conductor of electricity and heat.
25. Elements that have full outer energy levels. Considered stable and unreactive.
26. Molecule made of covalently bonded atoms that often share electrons unequally.
27. Substances that contain two or more elements that are chemically joined together.
28. Type of bond made up of positively charged metal ions surrounded by a "sea" of negative elements.
29. Covalent compound that contains one or more carbon atoms.

Down

- 1.** Electrons in the outermost energy level.
2. Compound composed of only carbons and hydrogen atoms.

- 3.** Element that does not conduct heat and electricity easily.

- 5.** The small building blocks of matter.
8. Smallest unit of a compound that still has properties of that compound.
10. The number of protons in an atom's nucleus.
11. Number of protons + number of neutrons in an atom = ?
14. Anything that has mass and takes up space
15. Compounds that have same chemical formula but different molecular structures and shapes.
17. A group of symbols that demonstrate the makeup of a compound. Hint: NaCl
18. Type of bond formed when two ions with opposite charges attract each other.
19. Substance that cannot be broken down chemically into any other substance.