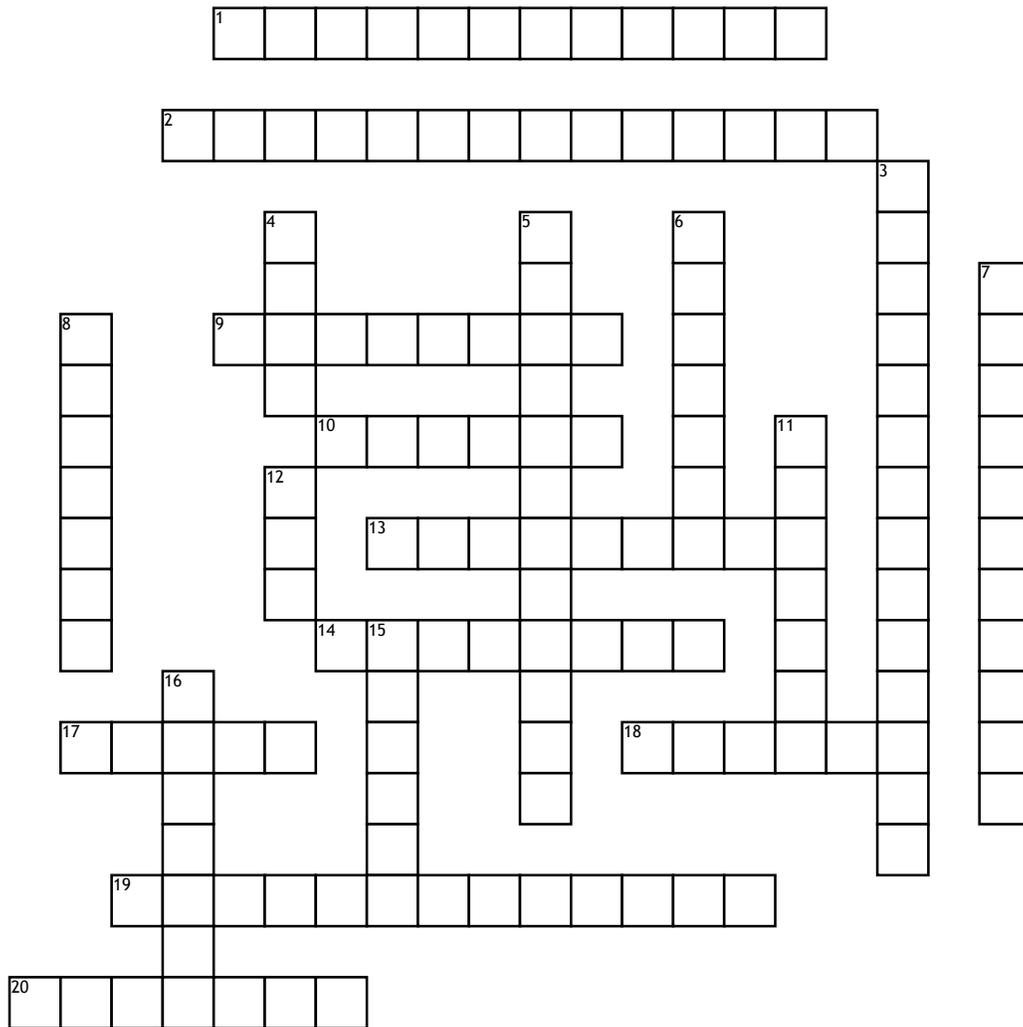


Classification of Matter



Across

1. the number of protons in the nucleus of an atom
2. doesn't involve change in chemical identity; without changing matter; change of appearance
9. composed of two or more kinds of atoms in a certain ratio
10. anything that has mass and volume
13. an element or compound that cannot be broken down into simpler components and maintain the properties of the original substance mixture
14. a particle of an atom that has a negative charge and circles around the nucleus

Word Bank

compound	liquid	condensation	atomic number	evaporation
chemical change	proton	neutron	mixture	periodic table
electron	nucleus	solid	matter	substance
atom	gas	element	physical change	element

17. state of matter, certain shape
 18. a positive particle in the nucleus of an atom
 19. a table that shows the elements, arranged by atomic number, and the patterns of their properties
 20. material made up of 2 or more mixed substances separated easily and keep identity
- Down**
3. change of one substance to another substance; rotten eggs
 4. the smallest component of matter
 5. change of the physical state of matter from gaseous phase to liquid

6. a particle in the nucleus of an atom that has no charge-or it is neutral
7. process by which water is converted from its liquid form to its vapor
8. the center core of an atom that consists of protons and neutrons, where most of the atom's mass is found
11. a substance made of up the same type of atoms
12. state of matter, no certain shape
15. state of matter, flows
16. a substance made of up the same type of atoms isotope