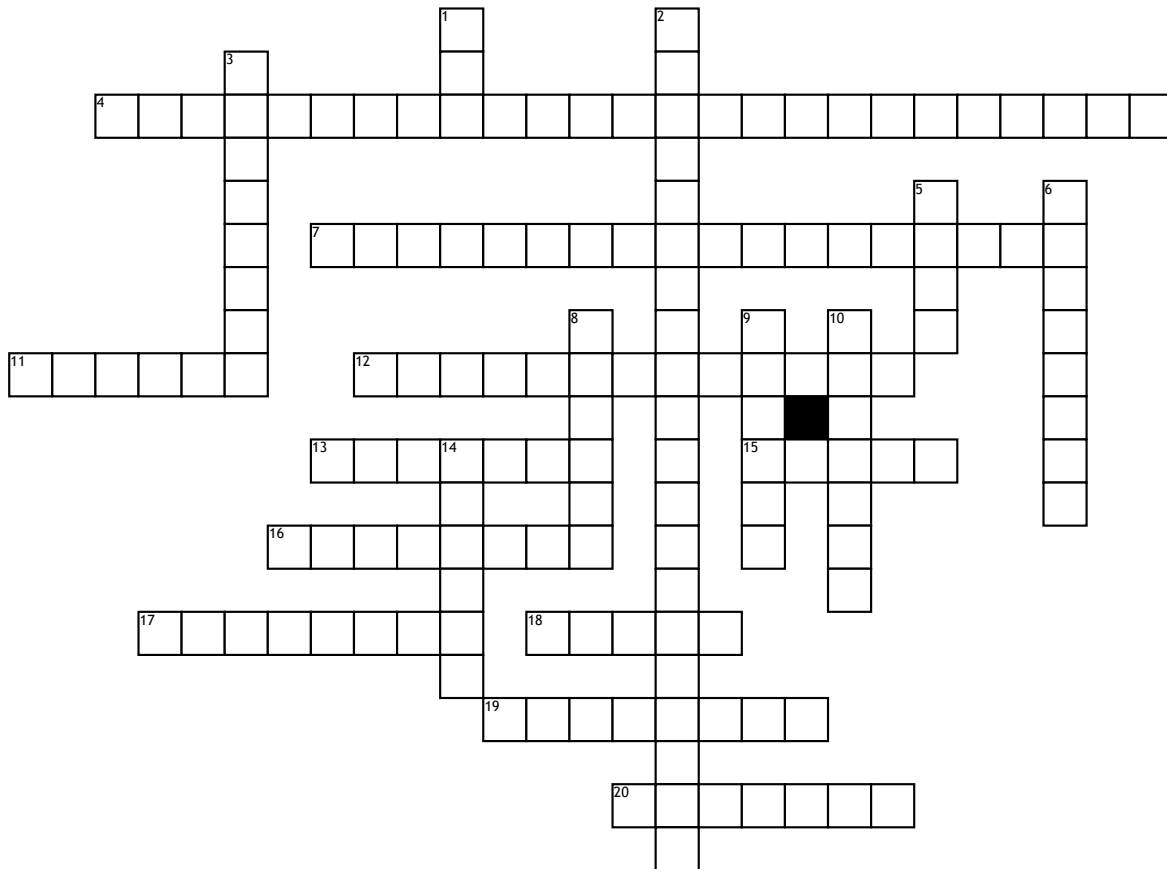


Matter



Across

- 4. this law states that matter is neither created nor destroyed but conserved
- 7. Mixture in which two or more substances are even (uniform) throughout
- 11. the state of matter in which the particles have just enough room to mover around each other; does not have a definite shape but has definite volume
- 12. 1 of the two main part of the atom; is the home to the subatomic particle electron
- 13. A pure substance that can't be separated and are made of atoms with the same identity

- 15. the state of matter in which the particles are packed tightly together so they are unable to move about very much
- 16. The subatomic particle with a negative charge
- 17. Two or more atoms combined chemically
- 18. In a _____, the particles are packed closely together
- 19. a substance that enters into a chemical reaction
- 20. a substance formed as a result of a chemical reaction

Down

- 1. the state of matter where the particles move about freely; does not have a definite shape nor definite volume

- 2. Mixture in which different materials can be easily distinguished
- 3. Two or more elements that are chemically combined
- 5. The smallest particle of an element that has all the properties of that element.
- 6. the mass number minus the atomic number is the number of.....(hint: one of the subatomic particles of the atom)
- 8. The subatomic particle with a positive charge
- 9. the state of matter where the particles are charged; they are not the most abundant on Earth
- 10. 1 of the two main parts of the atom; holds (is the home of) the protons and neutrons in the atom
- 14. Anything that has mass and takes up space