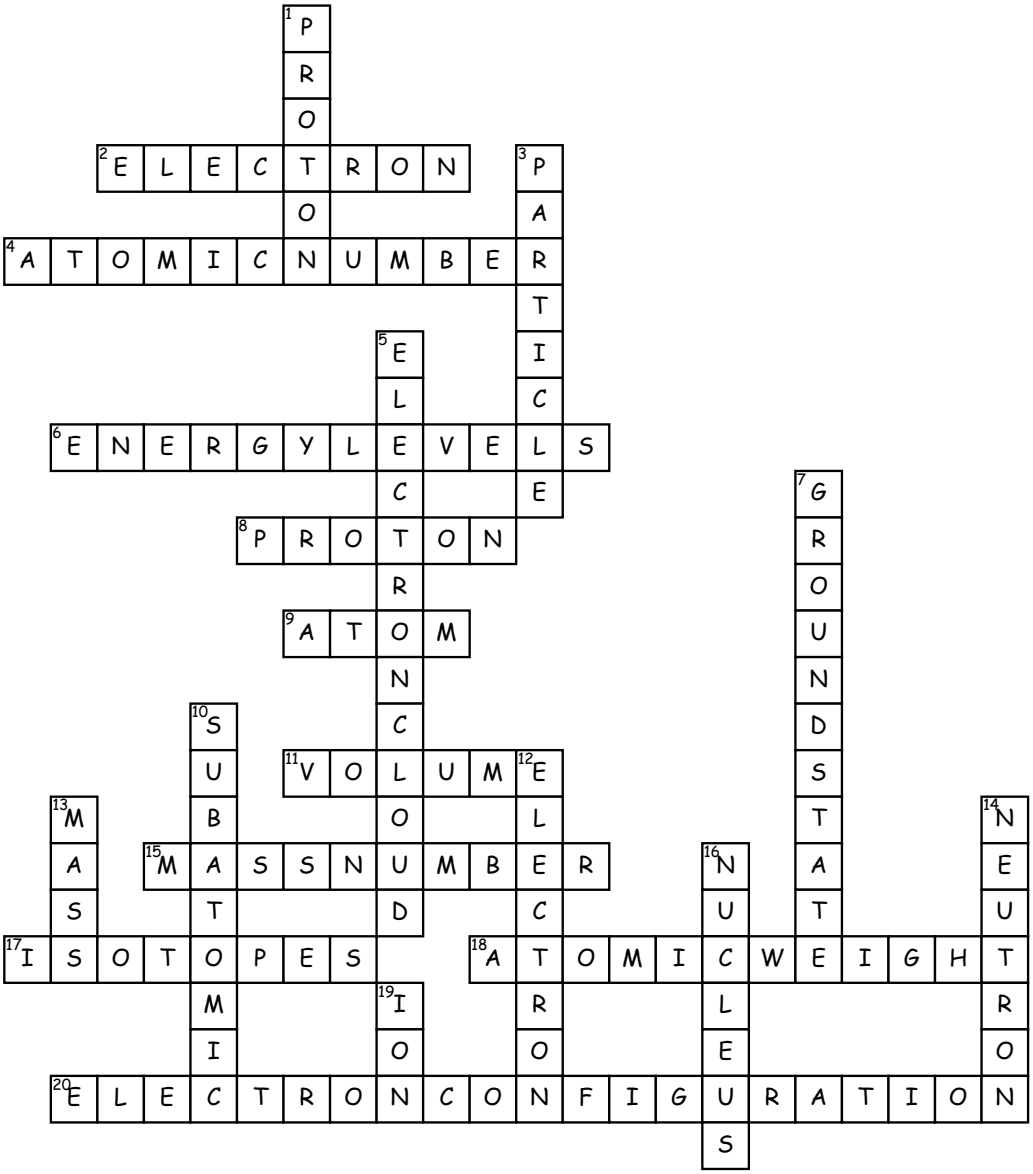
Name: _____ Date: _____ Period: _____

atoms



Across

2. an elementary particle with negative charge

4. This number identifies the element and is equal to the number of protons found in the nucleus.

6. The possible energies that an electron in an atom can have.

8. a stable particle with positive charge

9. the smallest component of an element

11. the property of something that is great in magnitude

15. The sum of the protons and neutrons in the nucleus of an atom.

17. Versions of the same element with different numbers of neutrons.

18. The weighted average mass of all of an element's isotopes' mass numbers (usually a decimal).

20. The arrangement of electrons around the nucleus of an atom.

Down

1. Positively charged subatomic particle found in the nucleus.

3. (nontechnical usage) a tiny piece of anything

5. A visual model showing the most likely locations for the electrons in an atom.

7. When all of the electrons in an atom have their lowest possible energies.

10. of or relating to constituents of the atom or forces within the atom

12. Negatively charged subatomic particle found outside the nucleus.

13. the property of a body that causes it to have weight

14. Neutral subatomic particle found in the nucleus.

16. Dense, positively charged mass at the center of an atom.

19. An atom with a charge (unequal number of protons and electrons)