

NAME:

PERIOD:

DATE:

Atomic Structure Classwork 1

Answer all questions to the best of your ability. Be specific. Be scientific.

1. True or False. Electrons have no charge.
2. The inner area of an atom is called the _____.
3. True or False. Protons are larger (more massive) than neutrons.
4. The building blocks of matter are _____.
5. True or False. Your breath contains atoms because it is a gas.
6. Atoms are:
A. Alive B. Dead C. Never were alive in the first place
7. An atom can be seen with...
A. it can't be seen B. with your eye C. with a powerful microscope
8. When an atom splits into pieces you get a...
A. plasma B. gas C. liquid
9. True or False. A neutron is larger (more massive) than an electron.
10. True or False. Neutrons and protons are both found in the nucleus.
11. The _____ can leave the atom without changing the atom.
12. True or False. Atoms and the Periodic Table of Elements are not related.
13. True or False. Matter is made of atoms.
14. Proton is to positive as...
A. Neutron is to negative B. Electron is to negative C. Nucleus is to electron cloud



15. The Kinetic Theory of Matter says...

- A. "Atoms make up all matter in the universe."
- B. "Matter is made of tiny particles that constantly move."
- C. "Atoms cannot be created or destroyed."

16. An atom is made of tiny particles and...

- A. empty space
- B. gas (like air)
- C. an atom is a solid ball – not made of particles

17. True or False. Your body is made of atoms.

18. _____ are the particles that make electricity work.

19. If an atom was a solar system the _____ would be the sun.

- A. electrons
- B. nucleus
- C. electron cloud

20. Which of the following is bigger than an atom?

- A. electron cloud
- B. proton
- C. blood cell