Name: #:

**Unit 5 Vocabulary: Atomic Structure**

1. **Atom**: The smallest part of an element that can be identified as

that element. (Can’t be cut into a smaller piece)

2. **Proton**: A positively charged particle found in the nucleus of an

atom. It is very heavy.

3. **Neutron**: It is a particle in the nucleus that has no charge.

4. **Electron**: A negatively charged particle that flies around the

nucleus in a cloud of orbitals or energy levels. They are so light

that they don’t count towards the mass of an atom.

5. **Nucleus**: It is the center of an atom and contains the protons and

neutrons.

6. **Electron Cloud**: This is where the electrons move around in

energy levels around the nucleus.

7. **Atomic Mass Unit(AMU)**: This is the unit of measure scientist

use to measure the mass of an atom. 1 amu = mass of 1 proton

or 1 neutron. The mass of an electron = 1/1836 amu.

8. **Atomic Number**: This is the number of protons in an atom.

9. **Isotope**: Are atoms of the same element that have the same

number of protons as the other atoms of the element but a

different number of neutrons.

10. **Mass Number**: The number of protons and neutrons in the

nucleus of an atom.

11. **Atomic Mass**: The total mass of the protons and neutrons in an

atom and is measured in atomic mass units. (amu)