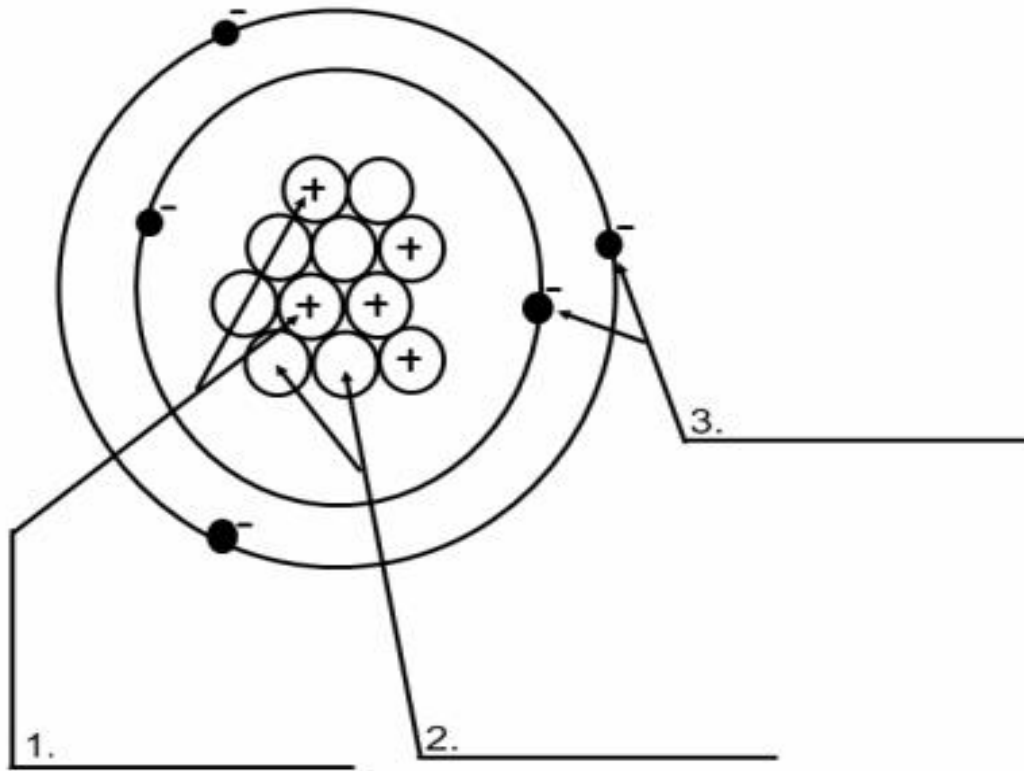


# Atoms and Molecules

Assignment - Student Edition

I. Label the parts of an atom in the diagram below:



II. Answer the following:

1. What type of charge does a proton have? \_\_\_\_\_
2. What type of charge does a neutron have? \_\_\_\_\_
3. What type of charge does an electron have? \_\_\_\_\_
4. Which two subatomic particles are located in the nucleus of an atom?

\_\_\_\_\_

5. If an atom has 35 protons in the nucleus, how many electrons will it have orbiting the nucleus?

\_\_\_\_\_

## Atoms and Molecules

 Assignment - Student Edition

### III. Vocabulary Match Up

Match the term with its definition.

Definition	Term
1. When atoms are joined together.	a) Proton
2. All matter is made up of these tiny particles.	b) Electron cloud
3. The subatomic particle with a positive charge.	c) Molecules
4. The region which contains the atom's mass	d) Electron
5. The subatomic particle with no charge	e) Atoms
6. The subatomic particle with a negative charge	f) Neutron
7. The region in which electrons are found	g) Nucleus

### IV. True or False?

Decide if the following statements are true or false. Correct the false statements to make them true.

1. Neutrons and electrons have opposite charges.
2. The neutrons and protons in the nucleus of an atom give it its mass.
3. All matter is made up of extremely small particles called molecules.
4. Molecules contain more than one atom.
5. The atoms of an element, such as gold only contain one type of atom.