

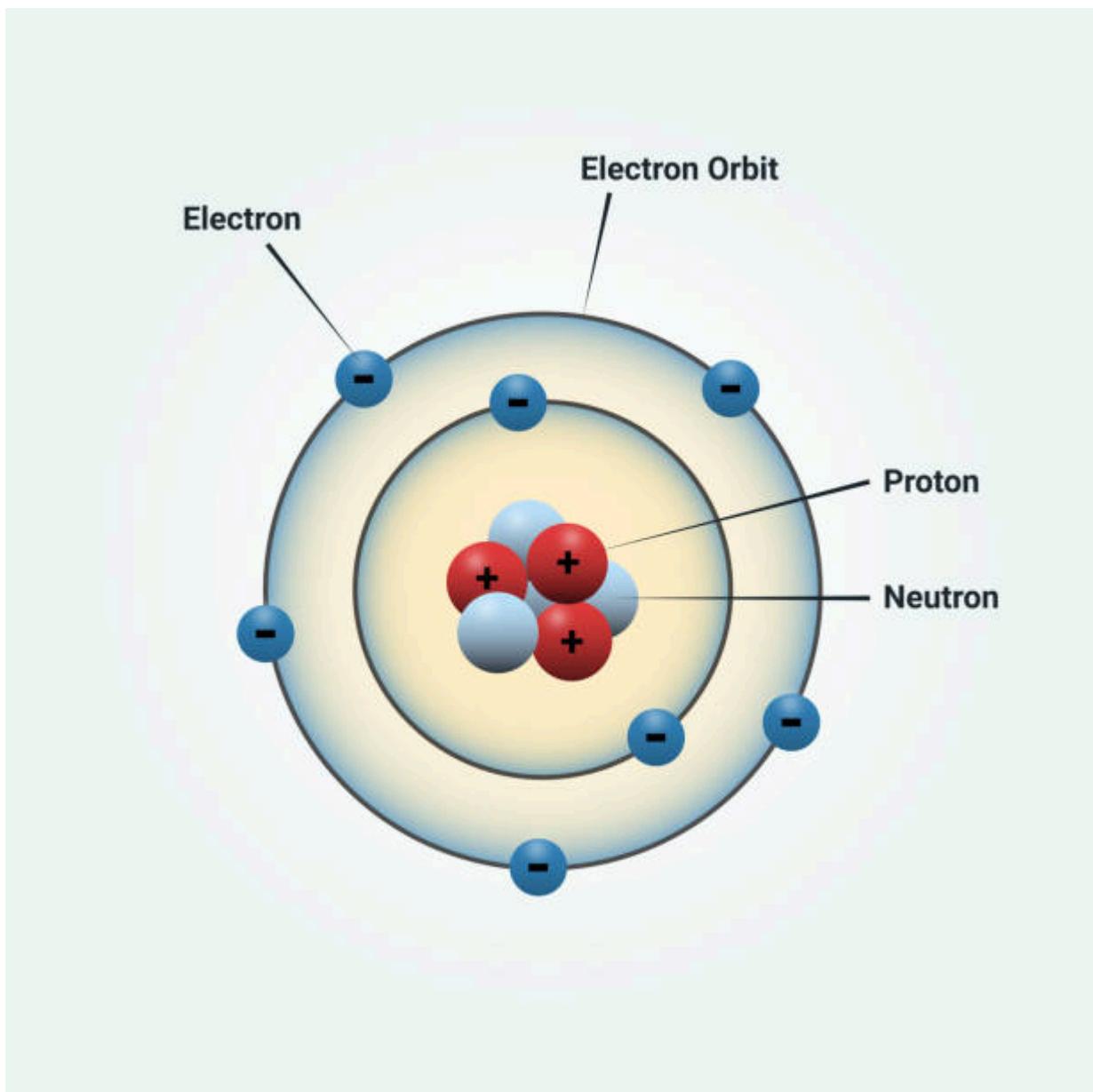
Parts of an Atom Worksheet

Name:

Date:

Introduction to the Atom

Everything around us, from the air we breathe to the chair you are sitting on, is made of tiny particles called **atoms**. Atoms are the basic building blocks of matter. They are so small that you cannot see them with your eyes. An atom is made up of three main parts: **protons**, **neutrons**, and **electrons**.



The Nucleus

The center of the atom is called the **nucleus**. The nucleus contains two types of particles:

- **Protons:** Protons have a **positive (+)** electrical charge.
- **Neutrons:** Neutrons have **no electrical charge (neutral)**.

Electrons

Electrons are tiny particles that orbit, or move around, the nucleus. Electrons have a **negative (-)** electrical charge. The electrons are held in their orbits by the attraction of the protons in the nucleus.

Summary of Atomic Particles

Particle	Charge	Location in the Atom
Proton	Positive (+)	Nucleus
Neutron	Neutral (0)	Nucleus
Electron	Negative (-)	Orbiting the Nucleus

Questions

1. What are the three main parts of an atom?
2. What is the center of the atom called?
3. What two particles are found in the nucleus?
4. What is the charge of a proton?
5. What is the charge of a neutron?
6. What is the charge of an electron?
7. Where are the electrons found in an atom?
