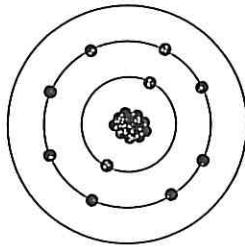


Name \_\_\_\_\_

Date \_\_\_\_\_

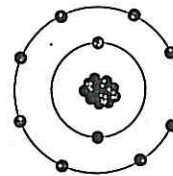
# Atomic Ions

An **ion** is the name given to an atom or group of atoms that have gained or lost electrons. An atom that loses an electron is positively charged and is called a **cation**. An atom that gains electrons forms a negatively charged ion called an **anion**. Use the periodic table on page 20 to decide if each diagram has lost or gained electrons. Label each as a **cation** or **anion**. Label if each has a **negative** or **positive** charge.

**Sodium****1**

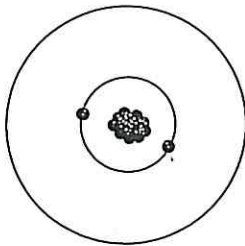
Ion: \_\_\_\_\_

Charge: \_\_\_\_\_

**Carbon****2**

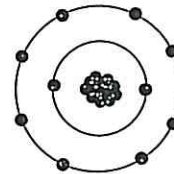
Ion: \_\_\_\_\_

Charge: \_\_\_\_\_

**Boron****3**

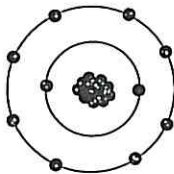
Ion: \_\_\_\_\_

Charge: \_\_\_\_\_

**Nitrogen****4**

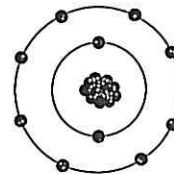
Ion: \_\_\_\_\_

Charge: \_\_\_\_\_

**Oxygen****5**

Ion: \_\_\_\_\_

Charge: \_\_\_\_\_

**Fluorine****6**

Ion: \_\_\_\_\_

Charge: \_\_\_\_\_