

# Directed Reading for **Section 1 ■ Structure of Matter**

## Content Mastery

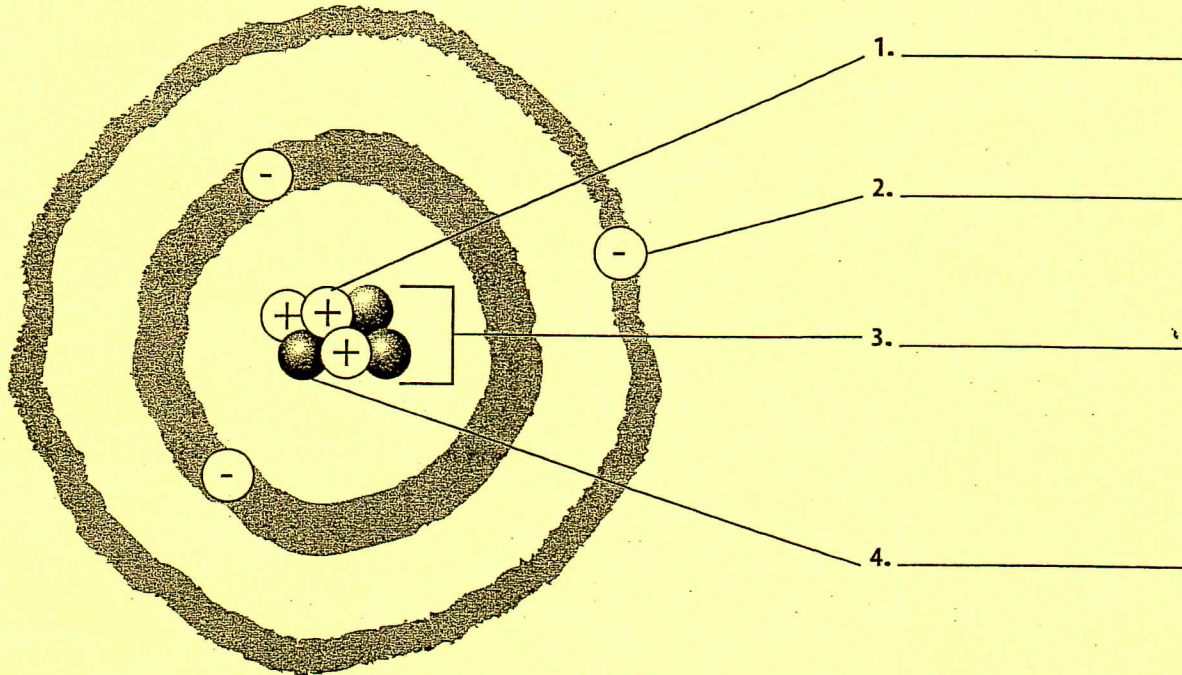
**Directions:** Study the following diagram. Then label the parts of the atom using the correct terms from the list.

nucleus

electron

proton

neutron



1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

**Directions:** Complete the following sentences using the terms listed below.

sub-atomic

neutral

nucleus

conservation

matter

atoms

proton

neutron

electron

5. A(n) \_\_\_\_\_ is a particle with a positive charge.
6. Most types of matter are made up of small particles called \_\_\_\_\_.
7. \_\_\_\_\_ is anything that has mass and takes up space.
8. A(n) \_\_\_\_\_ is a particle with no charge at all.
9. A(n) \_\_\_\_\_ is a particle with a negative charge.
10. The law of \_\_\_\_\_ of matter states that matter is neither created or destroyed—only changed in form.
11. Atoms are made up of \_\_\_\_\_ particles.
12. Matter that has an equal amount of positive and negative charge is said to be \_\_\_\_\_.
13. Most of the mass of an atom is concentrated in the \_\_\_\_\_.