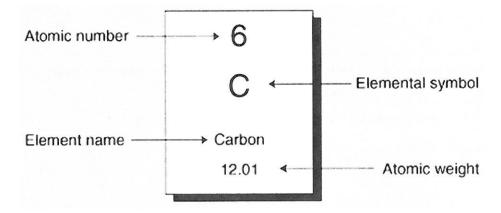
Biology Note-Taking Guide (Put me in your student folder)

2.1: The Nature of Matter

Part	A: Matter
1.	. Matter takes up and has
	All living and nonliving matter is composed of 92 naturally occurring basic (Periodic Table).
3.	Elements cannot be broken down to substances with different
	or properties.
4	elements (C, H, N, O, P, S) make up% of
	all living things.
Part	B: Atomic Structure
1.	Chemical and physical properties of atoms (e.g., mass) depend on the particles.
	a. Different atoms contain specific numbers of
	 b. Protons and neutrons are in the of atoms;
	move around the nucleus.
	c. Protons are charged particles;
	have no charge; both have about 1 atomic mass unit of
	d are negatively charged particles.
,	6 protons + 6 neutrons
9	electron
\	+ proton
	neutron
	Carbon atom

- 2. The atomic mass of an atom is about equal to the sum of its _____ and _____.
- 3. All atoms of an element have the same number of ______, the atoms atomic number.



Look at the picture above

Carbon's atomic number is ______.

This means it has _____ protons and _____ electrons

Carbon's atomic weight is ______. This number rounds down to 12

Atomic weight = protons + neutrons

12=6 + neutrons

How many neutrons does Carbon have?