

Protons, Neutrons, and Electrons—How Atoms Differ

Directions: Complete the chart with the correct terms from the word bank in the space provided. Some terms may be used more than once.

e^-	electron cloud around the nucleus	n	nucleus	p
0	1/1,840	1-	1	1+

Properties of Protons, Neutrons, and Electrons			
	Electron	Proton	Neutron
Symbol	1.	5.	9.
Charge	2.	6.	10.
Location	3.	7.	11.
Relative Mass	4.	8.	12.

Directions: Answer each question on the lines provided.

13. What makes an atom of one element different from an atom of another element?

14. An element has 6 protons and 6 neutrons. What is its atomic number? What is its mass number?

15. What happens to a neutron atom if it gains or loses electrons?
