

■ Subatomic Particles: Reviewing the Main Ideas

Complete the following chart:

Particle	Location	Mass (amu)	Charge
Proton			
Electron			
Neutron			

■ Find the Missing Numbers

Use your knowledge of atomic number and mass number to fill in the missing numbers:

Element	Atomic #	Mass #	HOW MANY?		
			Protons	Neutrons	Electrons
Iron	26	56			
Sulfur	16	32			
Carbon	6	12		6	
Fluorine		19	9		
Calcium	20	40			
Nitrogen		14			7
Copper	29	64		35	
Sodium		23	11		
Mercury		201			80
Silver		108		61	47
* Isotopes *					
Sulfur-36					
Hydrogen-3					
Radium-228					

Atomic Structure (Cont'd)

1. An element is found to contain 19 electrons:

a) What is the element's name & symbol?

b) How many protons does it contain?

c) How many neutrons does it contain?

2. An element is found to contain 35 protons:

a) What is the element's name & symbol?

b) How many electrons does it contain?

c) How many neutrons does it contain?

3. A mystery element is found to contain 118 neutrons:

a) What is the mystery element?

b) What is its symbol?

c) How many electrons does it contain?

d) How many protons does it contain?