

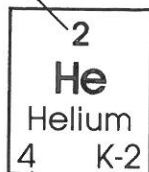
# Protons, Neutrons and Electrons

Name \_\_\_\_\_

The atomic number of an atom is the number of protons in each atom of that element. Because atoms are electrically neutral, the atomic number is also the number of electrons. The atomic mass tells the number of protons and neutrons in an atom. By subtracting the atomic number from the atomic mass you can find the number of neutrons.

Complete the chart below.

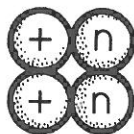
Atomic number



Atomic mass

## HELIUM ATOM

atomic mass = 4



4

atomic number = 2



2

number of neutrons



2

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=

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ELEMENT	SYMBOL	ATOMIC NUMBER	ATOMIC MASS	PROTONS	NEUTRONS	ELECTRONS
helium	He	2	4			
nitrogen	N	7	14			7
carbon	C	6	12			
sodium	Na	11	23			
iron	Fe	26			30	
copper	Cu		64	29		
silver	Ag	47	108		61	