

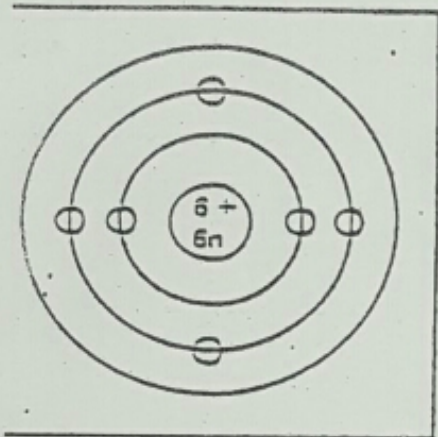
# Atomic Structure

You can become more familiar with the atomic structure of some common substances by completing the chart below. For each substance, you have been given enough information to fill in all the blanks.

Substance	Symbol	Atomic Number	Mass Number	Number of Protons	Number of Neutrons	Number of Electrons
Helium	He	2	4			
Magnesium	Mg	12			12	
Zinc	Zn	30	65			
Bromine	Br		80			35
Aluminum	Al			13	14	
Uranium	U				146	92
Sodium	Na	11			12	
Krypton	Kr				48	36
Calcium	Ca		40	20		
Silver	Ag			47	61	

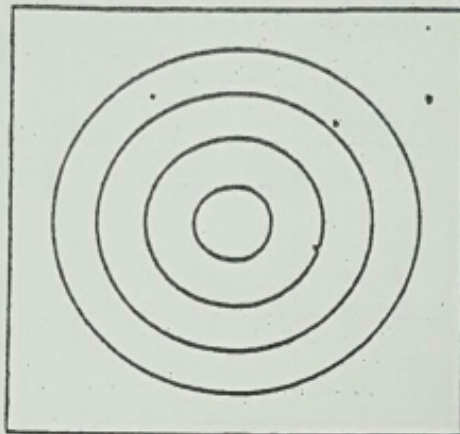
# MAKING ATOM MODELS

Draw models of the atoms of the elements indicated in the squares below. The mass numbers and atomic numbers are given for each element. Represent protons with a + sign, neutrons with an n, and electrons with small circles on the rings that represent the energy levels. The model of a carbon atom has been completed for you as an example. Use only the energy levels that are necessary.



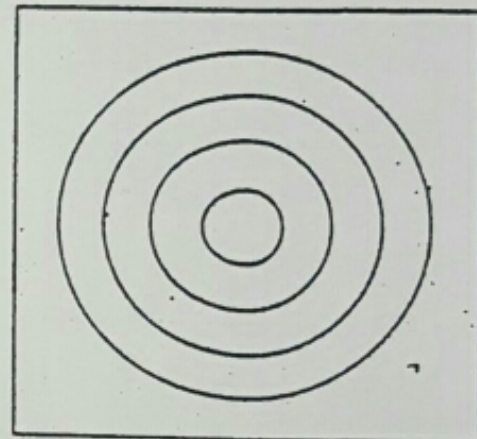
CARBON

Atomic number = 6  
Mass number = 12



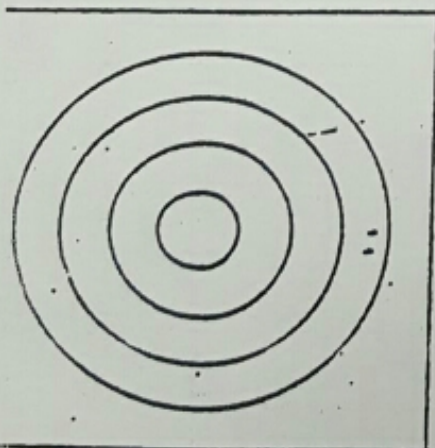
NEON

Atomic number = 10  
Mass number = 20



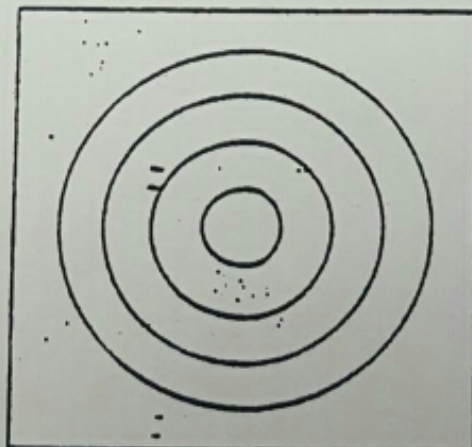
SODIUM

Atomic number = 11  
Mass number = 23



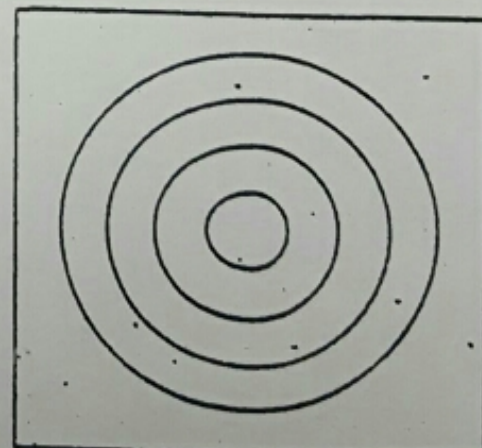
CHLORINE

Atomic number = 17  
Mass number = 35



OXYGEN

Atomic number = 8  
Mass number = 16



MAGNESIUM

Atomic number = 12  
Mass number = 24