

IONS AND ISOTOPES WORKSHEET

1. Complete the table with the appropriate information.

Ion	Number of Protons	Number of Electrons
Co^{2+}		
Co^{3+}		
Cl^-		
K^+		
Al^{3+}		
S^{2-}		
P^{3-}		
Sr^{2+}		

2. Complete the following table.

Name of the Isotope	Atomic Number	Mass Number	Number of Protons	Number of Neutrons	Number of Electrons
Uranium-235					
Uranium-238					
Boron-10					
Boron-11					

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1.

Answers

Ion	Number of Protons	Number of Electrons
Co^{2+}	27	25
Co^{3+}	27	24
Cl^-	17	18
K^+	19	18
Al^{3+}	13	10
S^{2-}	16	18
P^{3-}	15	18
Sr^{2+}	38	36

2.

Name of the Isotope	Atomic Number	Mass Number	Number of Protons	Number of Neutrons	Number of Electrons
Uranium-235	92	235	92	143	92
Uranium-238	92	238	92	146	92
Boron-10	5	10	5	5	5
Boron-11	5	11	5	6	6