Teacher's Tools® Chemistry

Prerequisites: The Atom: Example problem with animation feedback

1. Complete the following table using the Periodic Table where necessary to find the symbol of an element.

Symbol	Charge	Protons	Neutrons	Electrons
	0	9	10	
³⁴ S ²⁻				
	+3	23	28	

2. Magnesium consists of 3 isotopes with masses 23.98, 24.98 and 25.98. If the percent abundance of the first isotope is 78.7%, calculate the percent abundance of the other two isotopes.

(Atomic mass of Mg = 24.31)