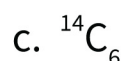
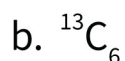
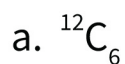


Isotope and Ions Practice Worksheet

1. For each of the positive ions listed below, identify the total number of electrons.

Name of the Ion	Number of Electrons
Al^{3+}	
Co^{2+}	
Co^{3+}	
Cr^{3+}	
Fe^{3+}	
Li^+	
Mg^{2+}	
Pt^{2+}	
Rb^+	
Sn^{2+}	

2. Carbon has several isotopes, including



i) What is the name of the element?

ii) What does the number '6' refer to?

iii) What do the numbers 12, 13, and 14 mean?

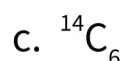
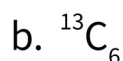
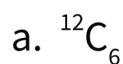
Isotope and Ions Practice Worksheet

1.

Answers

Name of the Ion	Number of Electrons
Al^{3+}	10
Co^{2+}	25
Co^{3+}	24
Cr^{3+}	21
Fe^{3+}	23
Li^+	2
Mg^{2+}	10
Pt^{2+}	76
Rb^+	36
Sn^{2+}	48

2.



i) What is the name of the element?

Carbon (C)

ii) What does the number '6' refer to?

The number 6 is the atomic number of Carbon.

iii) What do the numbers 12, 13, and 14 mean?

The numbers 12, 13, and 14 are the atomic masses of the isotopes.