Name:		Section:	

1. Calculate the atomic mass for lithium given the following data for its naturally occurring isotopes.

Element	Isotopic Mass	% Abundance
⁶ Li	6.015 amu	7.42%
⁷ Li	7.016 amu	92.58%

2. Calculate the atomic mass for magnesium given the following data for its naturally occurring isotopes.

²⁴ Mg	23.985 amu	78.70%
²⁵ Mg	24.986 amu	10.13%
²⁶ Mg	25.983 amu	11.17%

3. Calculate the atomic mass for iron given the following data for its naturally occurring isotopes.

⁵⁴ Fe	53.940 amu	5.82%
⁵⁶ Fe	55.935 amu	91.66%
⁵⁷ Fe	56.935 amu	2.19%
⁵⁸ Fe	57.933 amu	0.33%

4. Chlorine has two naturally occurring isotopes: ³⁵Cl and ³⁷Cl. Which isotope is more abundant if the stated atomic mass of chlorine is 35.35 amu?