1. A student looked up the naturally occurring isotopes of bromine and found the following information:

50.54% of the naturally occurring isotopes of bromine have an atomic mass of 78.92 u while 49.46% of the naturally occurring isotopes of bromine have an atomic mass of 80.92 u.

Calculate the average atomic mass of bromine, showing all work:

2. Using the following data, calculate the average atomic mass of magnesium (give your answer to the nearest .01 u) : *Show all work!*

Isotope: $^{24}_{12}Mg$	Percent abundance:	78.70%
Isotope: ²⁵ ₁₂ Mg	Percent abundance:	10.13%
Isotope: ²⁶ ₁₂ Mg	Percent abundance:	11.17%

3. Using the periodic table,

What is the average atomic mass of bromine?

What is the average atomic mass of magnesium?

How do your calculated answers in #1 and #2 compare to those on the periodic table?