Isotopes and Atomic Mass

Fill in the blanks as outlined in the examples

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Symbol	Atomic	Mass 🛫	Protons	- Neutrons	Electron
	Number	Number			
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13 6 C	6	13	6	7	6
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Calculate the average atomic mass.

1. A sample of bromine consists of two isotopes of mass numbers 79 and 81. Isotope 79 have an abundance of 50.69% and Isotope 81 is 49.31% in abundance. What is bromine's average atomic mass?

2. Silicon is found in nature with 3 stable isotopes. Si - 28 at 92.23%, Si - 29 at 4.67% and Si - 30 at 3.10%. What is silicon's average atomic mass?

3. Calculate the average atomic mass for each element:

28,1087m

a. Li-6, 7.42%; Li-7, 92.58%

b. Ne-20, 90.92%; Ne-21, 0.257%; Ne-22, 8.82%

c. Cr-50, 4.35%; Cr-52, 83.79%; Cr-53, 9.50%; Cr-54, 2.36%

52.9 m 52.0552 52.1 m

-20.6 W