Name:	Class/Period:
Assignment: 10-21 and 10-22	Teacher: Thibodeau

- 1 The atomic mass of an element is the weighted average of the atomic masses of
 - 1 the least abundant isotopes of the element
 - 2 the naturally occurring isotopes of the element
 - 3 the artificially produced isotopes of the element
 - 4 the natural and artificial isotopes of the element
- 2 The arrangement of the elements from left to right in Period 4 on the Periodic Table is based on
 - 1 atomic mass
 - 2 atomic number
 - 3 the number of electron shells
 - 4 the number of oxidation states
- Naturally occurring gallium is a mixture of isotopes that contains 60.11% of Ga-69 (atomic mass = 68.93 u) and 39.89% of Ga-71 (atomic mass = 70.92 u). Which numerical setup can be used to determine the atomic mass of naturally occurring gallium?
 - (68.93u + 70.92u)(68.93u)(0.6011) (70.92u)(0.3989) 3 (68.93 u)(0.6011) + (70.92 u)(0.3989) 4 (68.93 u)(39.89) + (70.92 u)(60.11)
- 4 Which notations represent hydrogen isotopes?
 - 1 H and H
 - 2 ¹H and ⁴H
 - $3 \frac{1}{2} H$ and $\frac{1}{3} H$
 - 4 ²H and ⁷H
- 5 What is the overall charge of an ion that has 12 protons, 10 electrons, and 14 neutrons?
 - $\begin{array}{ccc} 1 & 2- \\ 2 & 2+ \\ 3 & 4- \end{array}$

 - 4 4+