Warm Up mass = = p+n

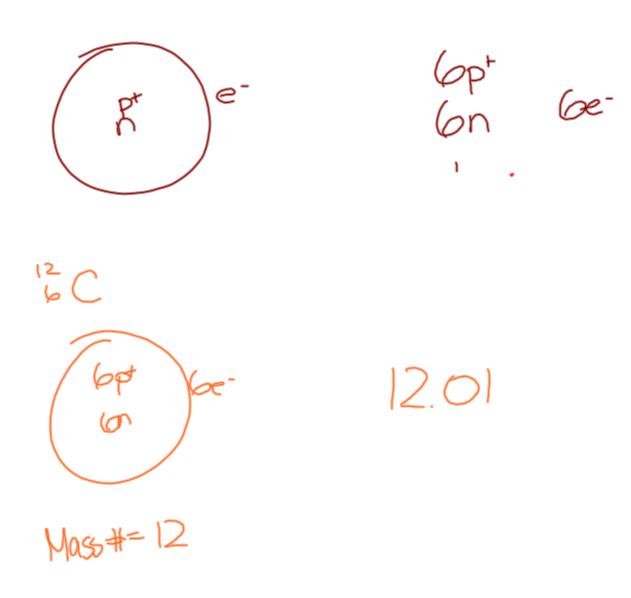
atomic# = Dratons = electrons						
Isotope	protons	neutrons	electrons			
copper - 64 *	29	29° · 35° ·	29			
chromium 53	24	29				
sulfur - 33	16		16			
calcium-41	20	21	20			
gold - 108	79	29	79			

Homework - Isotopes Worksheet

Isotope	Atomic	Mass	Symbol	# of	# of
Name	Number	Number		Protons	Neutrons
carbon - 14			4C		
				-	
				ı	
hydrogen - 2					
lawrencium - 257					
Ndragen-1			; H		

Homework #17-24 Worksheet

What is an isotope??



Calculating Atomic Mass

To calculate the atomic mass of an element, multiply the mass of each isotope by its natural abundance, expressed as a decimal, and then add the products.

Ex. Carbon has two stable isotopes: carbon - 12 (12.000 amu) which has natural abundance of 98.89%, and carbon - 13 (13.003 amu), which has natural abundance of 1.11%. What is the atomic mass of carbon?

$$12.000(0.9889) + 13.003(0.0111)$$
 $= 12.01$

Homework

Isotope worksheet

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