

CHEMISTRY HOMEWORK SHEET

NAME _____

6 C 12.011	12 6 C⁺⁴ <small>6 protons 2 electrons 6 neutrons</small>
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Fill in the chart below for the ions and isotopes listed:

SYMBOL	Sn			Cl	
ATOMIC NUMBER		20	56		
# PROTONS					
# ELECTRONS	54				18
ION CHARGE		+ 2		- 1	
# NEUTRONS		20			
MASS NUMBER	119			35	
CHEMICAL SYMBOL			$^{137}_{56}\text{Ba}^{+2}$		$^{52}_{24}\text{Cr}^{+6}$

Neon has three isotopes:

- Ne-20 has an abundance of 90.5%
- Ne-21 has an abundance of 0.270%
- Ne-22 has an abundance of 9.22%

Calculate the average mass of neon. Show your work.
