

Name: _____

Date: _____

4. Fill in the following table.

Element / Ion	# Protons	# Neutrons	# Electrons	Mass #	Nuclear Charge
Ca-41					
$^{42}\text{Ca}^{+2}$					

5. How many protons and neutrons are in each of the following?

$^{23}_{11}\text{Na}$		arsenic-75		^{33}S		sodium-24	
protons	neutrons	protons	neutrons	protons	neutrons	protons	neutrons

6. Which of the atoms in question #5 are isotopes of each other? Explain how you know, using the definition of isotope in your answer. _____

7. Draw Lewis structures for all of the following:

Ne	Li	S^{-2}	Al^{+3}	2-8-5