

Name: _____

Period: ____ Subject: _____

Date: _____

Isotopes and Ions Worksheet: Electrons, Protons and Neutrons...Oh, My!!

element	symbol	# protons	# electrons	# neutrons	charge
1. Calcium					
2. Bromine					
3. Sodium ion					
4. Oxide ion					
5. Fluoride ion					
6. Uranium-234					
7. Carbon-14					
8. Barium-135					
9. Iron-54					
10. Titanium-46					

For each of the following elements, calculate the average mass to two decimal places:

11. _____ Boron: 20% Boron-10, 80% Boron-11

12. _____ Titanium: 8.25% Titanium-46, 7.44% Titanium-47, 73.72% Titanium-48,
5.41% Titanium-49, 5.18% Titanium-50

13. _____ Magnesium: 79% Magnesium-24, 10% Magnesium-25, 11% Magnesium-26

14. _____ Carbon: 98.89% Carbon-12, 1.11% Carbon-13

15. _____ Chlorine: 75.77% Chlorine-35, 24.23% Chlorine-37