

Name _____ Period _____

Atom Quiz (40 points)

1. Name 15 elements

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2. Platinum has an atomic number of 78 and an atomic mass of 195

a. How many protons

b. How many electrons

c. How many neutrons

3. What is an ISOTOPE? _____

4. Scandium, #21 has an atomic number of 21 and atomic mass of 44.95. What are the two most common isotopes of scandium?

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5. Sodium is a highly reactive metal. What is another highly reactive metal?

6. Chlorine is a very reactive nonmetal. What is another very reactive non-metal?

7. If sodium is a +1 giver and chlorine is a -1 taker, what would oxygen be?

8. Salts are made when a reactive metal and a reactive non-metal interact. Other than NaCl (sodium chloride), what is one salt?

9. What does ION mean?

10. What is the most common ion of fluorine?

11. What is an ORBITAL?

12. What is one trait of family 18 (8A)?

13. What is an IONIC BOND?

14. What is an example of an ionic bond?

15. What is a COVALENT BOND?

16. What is an example of a covalent bond?

17-19. Choose three atoms and explain what ions they would form.

17.

18.

19.

20. Draw a fluorine atom, including the correct orbitals. Use numbers in the nucleus. (4)