

It is all a matter of chemistry – who will you “bond” to? Due date: _____

In this exercise, you will demonstrate your knowledge of atomic structure and chemical bonding. Your answers must be legible (by my interpretation) for credit.

1. Convert your birth month to a number (January = 1; December = 12). This is your atomic number. State your atomic number, what element you are and draw your atomic structure.
 2. Based on your atomic number, explain if you, as an atom, will need to form a chemical bond (or bonds) to achieve stability.
 3. Explain what type of bond(s) you can form.
 4. Can you “react” with your neighbor to achieve stability? Record your neighbor’s birth month and atomic number. If you can react with your neighbor, diagram the bonding arrangement (Note: you may use multiple atoms of your neighbor, if necessary, to achieve stability) If you cannot bond with your neighbor, choose an element you can bond with and draw your bonded atomic structure.
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1. Your birth month: _____ Diagram your atomic structure here:

Your atomic number: _____

The element you are: _____

2. Will you need to bond? (circle one) yes no

Explanation:

3. Type of bond(s) you can use: _____

Explanation:

4. Neighbor’s birth month: _____ Atomic number: _____

Will you bond with your neighbor? Yes No If not, element to bond with: _____

Bonding diagram: