Sci 9 I**ons vs Atoms vs Compound vs Molecules** Name: \_\_\_\_\_\_\_\_

 Date: \_\_\_\_\_\_\_\_\_

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| These are Ions (polyatomic ions contain more than one atom which bond together covalently) | These are Atoms or Molecules of Elements. i.e. Cu is an atom while H2 is a molecule. | These are Compounds |
|  |  |  |
| Ions have the following characteristics: | Atoms have the following characteristics: | Compounds have the following characteristics: |
| Give 3 more examples of ions: | Give 3 more atom examples: | Give 3 more compound examples |
| Circle all ions and cross out all compounds |
| An Ion is … | An Atom is…A molecule is… | A Compound is… |

When compounds are “ionized” they form ions (ie: NaCl becomes Na+ and Cl-)

Below, write the ions that make up each compound: Use the periodic table to find ion charge!

 KBr CuCl2 AlF3 LiF