**Science 10 – Chemistry** **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
**Quiz – What do you remember from Grade 9?** Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Block: \_\_\_\_\_\_\_\_

**Marked by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Use the* ***periodic table*** *to answer the following questions:*

1. Identify the following as metals or non-metals

Magnesium \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Nitrogen \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Iodine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What chemical family are each of the following a part of?

Argon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Calcium \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Potassium \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bromine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which one of the above is the most reactive metal? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which one is the most reactive non metal? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which one is the least reactive of all? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Identify the PRODUCTS and the REACTANTS in the following EQUATION:

 sodium chloride + lithium phosphide 🡪 sodium phosphide + lithium chloride

1. Write the formula for the following:

a) potassium chloride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) lithium sulphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) nickel (III) sulphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) silver nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) magnesium hydroxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f) gold (II) fluoride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g) lead (IV) oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

h) sodium oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

i) sodium acetate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

j) iron (II) sulphate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the name for the following compounds.

a) NaI \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) K­2Cr2O7  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) CuSO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) FeO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) Al(MnO4)3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f) K3P \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g) AgI \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

h) LiNO3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

i) Ni2S3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

j) Au2O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Draw the full **Bohr diagram** for – include the protons, neutron and electrons:

a) Lithium – neutral atom

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|  |

b) Chlorine ion

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