Thomas Haney Secondary School

Science 10

23000 116 Ave, Maple Ridge, B.C. V2X 0T8

LG 2: Ionic and Covalent Compounds

(What I need to understand)

BIG IDEA: How do different types of compounds relate to us?

Learning Standards:	
Fundamental Knowledge *(what I need to know)* ☆ *Access Point:* Ionic and covalent naming. ☆ I know how atoms rearrange in acid/base reactions. ☆ I know the difference between organic and inorganic compounds.	**Curricular Competencies** *(What I need to do)* • Select and use appropriate equipment to collect and record data. • Form multiple hypotheses and predict multiple outcomes.

Assessment of Learning Standards:

Have an interview to show evidence of the **Learning Standards.**

ESSENTIALS (C/C+)

I CAN:

☆ **Properly** classify and name the two types of chemical compound *(ie. Ionic and covalent)*.

☆ **Select** and use appropriate equipment to collect and record data and **formulate** multiple hypotheses and predict multiple outcomes.

☆ **Apply** knowledge of acid/base indicators to **draw conclusions** that are consistent with evidence.

☆ **Classify** compounds as being organic or inorganic.

ADVANCED (B)

I CAN:

➢ **Compare and contrast** ways of how ionic and covalent compounds are formed.

MASTERY (A)

I CAN:

✓**Demonstrate** an understanding of how different types of compounds are important in different applications.

Reflection:

After finishing my learning activities what do I understand? How have I answered the BIG Question?

OPTION 1

- ☆ **Read** pages 184-197 to learn about Naming and Writing Chemical Formulas and **complete pages 68-71 from the Chapter 4.2 worksheets.**
- ☆ **Read** pages 220-229 on Acids and Bases and **complete pages 87 and 91 from the Chapter 5 worksheets.**
- ☆ **Read** pgs. 244-248 to learn about Organic Chemistry, then **complete questions on p. 251**.
- ☆ Use BC Science 10 to **complete** Lab 5-1B p. 230 – 231 using the guided worksheet.
- ➢ How are naming and writing formulas different for ionic and covalent compounds? Find a way to **compare and contrast** the 2 (i.e. create a brochure or a reference guide).

OPTION 2

- ☆ Read BC Science 10 pgs. 184-197 to learn about Naming and Writing Chemical Formulas and **complete questions on p. 201** for practice.
- ☆ **Read** pgs. 220-229 on Acids and Bases and **complete questions on p. 233**.
- ☆ **Read** pgs. 244-248 to learn about Organic Chemistry, then **complete questions on p. 251**.
- ☆ Use BC Science 10 to **complete** Lab 5-1B p. 230 – 231 using the guided worksheet.
- ➢ How are naming and writing formulas different for ionic and covalent compounds? Find a way to **compare and contrast** the 2 (i.e. create a brochure or a reference guide).