

Name
TA

Science 10
2022-2023



Learning Guide # 2: Classifying Ionic and Covalent Compounds

BIG IDEA: Acids, Bases Salts, and Organic Compounds

Fundamental Knowledge (I know)

- Properties of Acids and Bases
- Differences between organic and inorganic compounds
- Using acid/base indicators

Curricular Competencies (I can)

	Proficiency Scale Teacher and Student self assessment (Circle one)	Evidence (How do you know?)
I can: Evaluate their methods and experimental conditions, including identifying sources of error or uncertainty, confounding variables, and possible alternative explanations and conclusions.	Emerging (EMG) Initial Understanding Developing (DEV) Partial/Near Complete Understanding Proficient (PRF) Complete Understanding Extending (EXT) Sophisticated Understanding	
Communicate scientific ideas and information, and perhaps a suggested course of action, for specific purpose and audience, constructing evidence-based arguments and using appropriate scientific language, conventions, and representations.	Emerging (EMG) Initial Understanding Developing (DEV) Partial/Near Complete Understanding Proficient (PRF) Complete Understanding Extending (EXT) Sophisticated Understanding	

Student Signature:

Teacher Signature:

Date:

Instructions To help guide your learning, make your way through the activities in Option 1, Option 2, or Option 3. You may “mix and match” between the different Option columns.

TOPIC	OPTION 1	OPTION 2	OPTION 3
Acids and Bases	Read & complete the Acids and Bases worksheets (Section 5.1).	Read section 5.1 pgs. 220-232 and complete questions 1-15 on page 233	Choose your own adventure! Pick up a planning sheet from the Science Kiosk.
Salts	Read & complete the Salts worksheets (Section 5.2).	Read section 5.2 pgs. 234-236 and complete questions 1, 2, 9 on page 243	Create a plan! Make sure you read through the first page of this LG, as you will need to design ways to learn/practice and show your understanding of the topic(s) and skill(s) (competencies.)
Organic Chemistry	Read & complete the Organic Chemistry worksheets (Section 5.3)	Read section 5.3 pgs. 244-248 and complete questions 1-5 on page 251	You will need to have a teacher approve your plan before beginning the LG.
Lab	Use BC Science 10 to complete Lab 5-1B p. 230 – 231 using the guided worksheet.		
Self Assessment	Reflect on the Fundamental Knowledge and Curricular Competencies. Use the rubric and make goals to improve for your next learning guide.		
Interview or Quiz	See you teacher for an interview or to have a quiz slip signed for the test center. Bring your work and staple it to your quiz when complete.		

Resources can be found at www.THSScience.com or the Science Kiosk

User: **THSS**

Password: **science**