

Worksheet answers can be found at [www.loreescience.ca](http://www.loreescience.ca)

Topic	Objective(s)	Approx. # Classes	Mastery Checks Min 80%
1	<b>Elements, Atoms &amp; The Periodic Table:</b> <ul style="list-style-type: none"><li>Understand the properties of subatomic particles. How and why atoms form ions</li><li>Understand the patterns in the periodic table (ex. valence electrons, electron orbits, reactivity...)</li></ul>	3	Names & symbols <input type="checkbox"/> Got It!
			Periodic Table <input type="checkbox"/> Got It!
2	<b>Ionic Compounds:</b> <ul style="list-style-type: none"><li>Understand the relationship between chemical formulae, composition, and names of ionic compounds including binary, multivalent and polyatomic compounds</li></ul> <b>Assignment</b>	3	Formulas <input type="checkbox"/> Got It!
			Naming <input type="checkbox"/> Got It!
3	<b>Covalent Compounds:</b> <ul style="list-style-type: none"><li>Understand the relationship between chemical formulae, composition, names of covalent compounds, and basic structure of molecules</li></ul> <b>Assignment</b>	4	Formulas <input type="checkbox"/> Got It!
			Naming <input type="checkbox"/> Got It!
T1-3 Quiz			
4	<b>Chemical Equations &amp; Law of Conservation of Mass:</b> <ul style="list-style-type: none"><li>Write word and balanced chemical equations for chemical reactions.</li><li>Understand that matter can neither be created nor destroyed in chemical reactions</li><li>Balance chemical equations</li></ul> <b>Assignment</b>	3 <b>Lab</b>	<input type="checkbox"/> Got It!
5	<b>Chemical Change:</b> <ul style="list-style-type: none"><li>Understand the difference between chemical and physical changes and the types of evidence that indicate chemical change</li></ul>	2 <b>Lab</b>	
6	<b>Types of Chemical Reactions:</b> <ul style="list-style-type: none"><li>Understand the basic types of chemical reactions (S, D, SD, DD, &amp; C)</li><li>Predict products for various reactions</li></ul> <b>Assignment</b>	3 <b>Lab</b>	<input type="checkbox"/> Got It!
7	<b>Acids &amp; Bases</b> <ul style="list-style-type: none"><li>Understand basic characteristics and nomenclature for acids &amp; bases</li><li>Understand how the pH scale is used to classify substances</li><li>Understand the process of neutralization reactions and predict the products</li></ul>	4 <b>Lab</b>	<input type="checkbox"/> Got It!
Unit Test & Summative Lab			

## Assessments

Most assessments will be completed in class and are due at the end of the in-class work period(s).

**To write the unit test – ALL mastery checks should be at  $\geq 80\%$   
OR have been attempted a minimum of 2 times.**

### Mastery Checks:

- Mastery Checks may be attempted more than once and are not considered complete until  $\geq 80\%$  is achieved
- **Extra practice must be completed & shown to get another attempt**
- Extra practice can be found on [www.loreescience.ca](http://www.loreescience.ca)
- Must be attempted as you progress through the topics – DO NOT let them accumulate until the end of the unit. You may run out of time!

#### Edsby Gradebook Symbols



- ✓ Not yet  $\geq 80\%$  but 2 attempts completed
- ! Overdue / Late
- ✗ Not Done
- ⓘ Incomplete (one attempt  $< 80\%$ )

## FEBRUARY 2024

SUN	MON	TUE	WED	THU	FRI	SAT
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	
18	19	20	21	22	23	24
25	26	27	28	29	1	2

Use these calendars to keep track of which topic(s) you practice each night & whether you

**Got It! (\*) or Not Yet! (?)**

Holidays and Observances: 14: Valentine's Day, 19: Presidents' Day

## MARCH 2024

SUN	MON	TUE	WED	THU	FRI	SAT
25	26	27	28	29	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30