

Grade 8

Distance Learning Module 10: Week of: June 8 – June 12th

## Grade 8 Science - Modified from [Unit 4 - Chemistry](#)

### Targeted Goals from Stage 1: Desired Results

**Content Knowledge:** Identify the number of atoms in chemical formulas, Identify and label parts of a chemical reaction, balance chemical equations, identify types of chemical reactions

**Vocabulary:** Chemical Equation, Reactant, product subscript, coefficient, yields, synthesis, decomposition, single replacement, double replacement

**Skills:** Synthesize information and communicate learning.

**Expectation:** Student will accurately identify the number of atoms in chemical reactions, identify types of chemical reactions, accurately balance chemical equations

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: 1. Live google chat at the beginning of each science class.  2. Print out and fill Out “Balancing Equations Challenge” on paper, after google chat or using the answer key if you can not attend the live session.  3. Identify parts of chemical formulas and count the number of atoms in formulas, attempt balancing 5 equations.	Tyler DeWitt (Bozeman Scientific) video:Balancing Chemical Equations Practice Problems  2. Worksheet with key: Balancing Equations Challenge  Here is the answer key: Answer key Balancing Equations Challenge	3. Assignment to turn in when completed  Balancing Equations Practice  Answer Key Balancing Equations Practice

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
4. Watch the video on your own, attempt the worksheet, and submit to your teacher.		
Tuesday: Practice balancing chemical equations assignment worksheet #1. Re-watch yesterday's video if needed.	Balancing equations assignment listed to the right.	<p>Assignment to turn in when completed; try out as many as you can and stop after 25 minutes, unless you really enjoy the challenge.</p> <p>Balancing Chemical Equations #1</p> <p>Answer key Balancing Chemical Equations #1</p>
Wednesday: Practice balancing chemical equations assignment worksheet #2	Balancing equations assignment listed to the right.	<p>Assignment to turn in when completed; try out as many as you can and stop after 25 minutes, unless you really enjoy the challenge.</p> <p>Balancing Chemical Equations Worksheet 2</p> <p>Answer Key Balancing Chemical Equations Worksheet 2</p>
Thursday: Practice balancing chemical equations assignment worksheet #3	Balancing equations assignment listed to the right.	Assignment to turn in when completed; try out as many as you can and stop after 25 minutes, unless you really enjoy the challenge.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
		Balancing Equations Worksheet 3  Answer key Balancing Equations Worksheet 3
Friday: Live video google greet at the beginning of each science class, Monday and Friday if needed. Watch the video on your own. Read chapter from the textbook for more clarification. Identify 4 types of chemical reactions worksheet: Synthesis, Decomposition, Single Replacement, Double Replacement.	Tyler DeWitt (Bozeman Scientific) video: Types of Chemical Reactions  Chapter from the book: Chemical Reaction Types.pdf  Types of chemical reactions description sheet: Types of chemical reactions description sheet	Identify types of chemical reactions worksheet to be turned in: Identify Types of Chemical Reactions  Answer Key Identify Types of Chemical Reactions

**Week criteria for success** (attach student checklists or rubrics): successful completion and submission of: Balancing Equations Practice Balancing Chemical Equations #1 Balancing Chemical Equations Worksheet 2 Balancing Equations Worksheet 3 Identify Types of Chemical Reactions

**Supportive resources and tutorials for the week** (plans for re-teaching): 2 Weekly check-ins, one Monday, one Friday, *as needed*.