

**Lomax 8<sup>th</sup> Grade Science Outreach Learning**  
**March 25 - 27, 2020**

**8<sup>th</sup> Grade Science Week of March 25, 2020**

Teacher/Team:

**Casey Crittenden / 8<sup>th</sup> Grade Science**

If there are any questions, please feel free to email me/us at:

**Email:** [crittendenc@lpisd.org](mailto:crittendenc@lpisd.org)

**Connect with us on  
Remind!**

Link to [TEAMS Folder](#)

[2<sup>nd</sup> Period TEAMS](#)

[3<sup>rd</sup> Period TEAMS](#)

[6<sup>th</sup> Period TEAMS](#)

Text @ccritte  
to 81010

Previous Lessons:

Before Spring Break, we learned about Chemical Reactions and Chemical Formulas!

**Objectives**

Objective / I Can:

- I can tell the difference between elements and compounds.
- I can spot a chemical reaction based on the 5 evidences.
- I can count atoms in a chemical formula.

**Activities**

Student Activities:



teacher intro on  
level.mp4

1. [Teacher Introduction Video](#) (5 min)
2. [Chemical Changes Video](#) (4 min)
3. Scavenger Hunt (20 questions = 40 minutes)

# CHEMISTRY SCAVENGER HUNT!

**Directions:** Look around your house to answer the questions below.

1. Find an element. \_\_\_\_\_
2. Find a compound. \_\_\_\_\_
3. Find an organic compound. \_\_\_\_\_
4. Find a mixture. \_\_\_\_\_
5. Find a metal. \_\_\_\_\_
6. Find a non-metal. \_\_\_\_\_
7. Find a gas. \_\_\_\_\_
8. Find a malleable substance. \_\_\_\_\_
9. Find a good conductor. \_\_\_\_\_
10. Find a poor conductor. \_\_\_\_\_
11. Find a physical change. \_\_\_\_\_
12. Find a chemical change. \_\_\_\_\_
13. Find an edible example of a physical change. \_\_\_\_\_
14. Find an edible example of a chemical change. \_\_\_\_\_
15. Find a substance with a density of less than 1 g/ml. \_\_\_\_\_  
(HINT: water has a density of 1 g/ml. So if it is less, it floats!)
16. Find a substance with a density of more than 1 g/ml. \_\_\_\_\_
17. Find an acid. \_\_\_\_\_
18. Find evidence of a chemical reaction. \_\_\_\_\_
19. Find a chemical reaction that occurs inside your house. \_\_\_\_\_
20. Find a chemical reaction that occurs outside your house. \_\_\_\_\_

**BONUS:** Describe the physical and chemical changes that occur when you eat your lunch.

When you have completed the scavenger hunt, click on your class period link below to input your answers onto your class form. (Remember: you WILL have to log into your student email the first time you access Microsoft Forms.)

[2<sup>nd</sup> Period TEAMS](#)

[3<sup>rd</sup> Period TEAMS](#)

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4. Quick Counting Atoms Practice (8 questions = 10 min)  
(If you forgot how to count atoms, watch this video [here](#).)

## WHAT IS AN ALIEN 'S FAVORITE CANDY?

Directions: Count the atoms in each chemical formula. Find the answer below. Write the letter next to the answer in the correct box below. Answers will only be used once.

1. How many total atoms in $K_2CO_3$ ?	2. How many Oxygen (O) atoms in $2ZnSO_4$ ?			
3. How many Phosphorus (P) atoms in $Ba_3(PO_4)_2$ ?	4. How many total atoms in $Na_2CrO_4$ ?			
5. How many total atoms in $3CaCl_2$ ?	6. How many total atoms in $C_4H_8FCOOH$ ?			
7. How many Iron (Fe) atoms in $4Fe_2O_3$ ?	8. How many total atoms in $3NaHCO_3$ ?			
<b>Answers:</b>				
16 (R)	2 (O)	7 (R)	6 (A)	8 (M)
6 (A)	17 (B)	5 (I)	18 (R)	6 (A)
4 (C)	9 (S)	2 (A)	5 (K)	8 (A)

1		2	3	4	5		6	7	8
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When you have completed the problems, click on your class period link below to input your answers onto your class form.

[2<sup>nd</sup> Period](#)

[3<sup>rd</sup> Period](#)

[6<sup>th</sup> Period](#)

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**Additional Resources if you need help:**

- Mr. Crittenden's Office Hours Wednesdays (1-3) and Fridays (9-11)
  - Help via email, Remind, or video call via Microsoft TEAMS
- Extra Videos
  - [Chemical & Physical Changes](#)
  - [Bill Nye Chemical Reactions](#)
- Extra Practice
  - [Chemical Reactions Quizizz](#) CODE: **220680**
  - [Chemical Reactions & Formulas Quizlet](#)
  - [Chemical & Physical Changes Review Game Zone](#)
  - [Counting Atoms Review Game Zone](#)

**Academic/Instructional Support: Mr. Crittenden**

Schedule:

Tuesdays and Thursdays – work on science work  
(If you need help or don't understand the lesson/activity, email Mr. Crittenden or send a message on Remind.)

Office Hours:

Wednesdays 1:00 – 3:00 pm  
Friday 9:00 – 11:00 am

**To Be Graded**

**Make sure you submit the following from this week's lesson through Microsoft Forms links above:**

1. [Chemistry Scavenger Hunt](#)  
\*\*DUE by 8:00am on Monday 3/30
2. [Quick Counting Atoms Practice](#)  
\*\*DUE by 8:00am on Monday 3/30