

**LPJ 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:

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

Link to [TEAMS Folder](#)

Previous Lessons: Chemistry =  
Chemical Reactions & Formulas,  
Counting Atoms

**Shawn Oliphint / 8<sup>th</sup> Grade Science**

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

Voicemail/texting: (281) 402-9291

Phone availability: T-F 8am – 3 pm

[1st Period TEAMS](#)

[2nd Period TEAMS](#)

[3rd Period TEAMS](#)

[5th Period TEAMS](#)

[6th Period TEAMS](#)

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

**Connect with me on  
Remind  
Science with Mrs. O**

Send a [text to 81010](#)  
Text this message  
[@oliphints](#)

**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**

Hint: There is a full format of this lesson in resources on your TEAMS Files, Class Materials Folder.  
(Click on link above) – Please let me know if you have questions.

I will also be sending messages in FLIPGRID that you can respond to – this is a start 😊

[Click Here for Flipgrid](#)

Student Activities:

1. [Mrs. O is here. Please watch](#) (1 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.)

[1st Period](#)

[2nd Period](#)

[3rd Period](#)

[5th Period](#)

[6th Period](#)

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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.

[1st Period](#)

[2nd Period](#)

[3rd Period](#)

[5th Period](#)

[6th Period](#)

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**Additional help: I really think you will like this:**

[Chemical Reactions Quizizz](#) CODE: 424815 (12 min.)

**Additional Resources if you need help:**

- Mrs. Oliphint's Office Hours will be Wednesdays and Fridays (9-11)
  - Help via email, Remind, or video call or chat on Microsoft TEAMS, Google voice phone number for texting or voicemail.
- Extra Videos
  - [Chemical & Physical Changes](#)
  - [Bill Nye Chemical Reactions](#)
- Extra Practice
  - [Chemical Reactions & Formulas Quizlet](#)
  - [Chemical & Physical Changes Review Game Zone](#)
  - [Counting Atoms Review Game Zone](#)

**Academic/Instructional Support**

Schedule:

Thursday – work on science work

Office Hours:

Friday 9:00 – 11:00 am – Tomorrow log into TEAMS and I will invite you in your class to join a meeting.

If you need help or do not understand the lesson/activity, email me or send a message in TEAMS. I will be turning on the chat option.

We will also be meeting during my office hours in TEAMS to answer questions.

I am setting up a Remind Link for you to join.

I also WANT to hear from you! I am also sending messages in FLIPGRID that you can respond to – this is a start ☺ [Click Here for Flipgrid](#) if you missed it up top!

**To Be Graded**

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

Quick Counting Atoms Practice

**\*\*DUE by 8:00am on Monday 3/30**