



Science Virtual Learning

8th Grade Science

April 29th, 2020



8th Grade Science
Lesson: April 29, 2020

Objective/Learning Target:
I can identify and describe the 3 states of matter.

Bellwork



1. Click on the video on the left and watch it one time through.
2. Watch the video a second time and answer these question on a separate sheet of paper.
 - a. Describe particle movement for solid, liquid and gas.
 - b. Give an example of a solid, liquid and gas.



Today


1. Let's take some notes over the 3 states of matter.
 - a. Click on [this website](#)
 - b. Use this [guided note sheet](#) with the website to help you fill in the blanks. You can use your own piece of paper as well.
2. Write a 5 sentence summary over the 3 states of matter and what you've learned so far.



Concept Map--riddle

1. Hold the paper landscape (hotdog) in front of you. Fold the two side edges (shorter sides of the paper) inward until they meet in the center (like double doors) and crease those sides.
2. Cut one of those flaps in half (this is to form a top door and a bottom door for each half)
3. On the outside of the flaps (next slide where the example is where it says Riddle 1, 2, 3, and 4) come up with a riddle for each state of matter
4. On the inside of each flap write the answer to your riddle and the reason that the riddle is a representation of that state of matter
5. In the spot marked "Central concept identified" put "states of matter" where it says "terms as spokes" give real life examples of each of the 3 states of matter.
6. The next two slides are examples, you can not use my example as your own.

Concept Map--riddle

CUT


Riddle 1	Riddle 2
Riddle 4	Riddle 3

Answer 1 Why and Definition	Terms as Spokes	Terms as Spokes	Answer 2 Why and Definition
Answer 4 Why and Definition	Central Concept Identified		Answer 3 Why and Definition
	Terms as Spokes	Terms as Spokes	



Concept Map--riddle example

You can see me and I don't move. I'm rigid and controlled.

I'm flowing and free. I need help with structure but you can still see me.

I'm here but you may not know it. I don't like to be contained.

Solid

Solids are Rigid in structure. The molecules are controlled in this state

Ice cube

Gas

You can't always see gasses but they are there. They have molecules that like to be

Water Vapor/Oxygen

Liquid

you can still see liquids but they aren't structured unless you put them in a glass or container. The molecules are free and flowing.

Water

States of Matter



Additional Resources

1. Click on this link, [Study Jams](#) and click “play video”. After you have watched the video for review, click on “Test Yourself” to see how much you remember from the lesson today. You will be able to check your answers after you have completed it.
2. Use [this game](#) to help you review the states of matter.



Answers

1. Bellwork

- a. Particle movement for a solid is fixed and held together by a shape. Particle movement for liquid is apart and moving freely. Particle movement for gas are far apart and moving freely.
- b. Solid=popsicle, Liquid= strawberry juice, Gas=Water Vapor.

2. [Fill in the blank notes answers](#)