

## **Directions:**

- Type the following link in the address bar: <u>http://www.chem4kids.com/files/matter\_intro.html</u>
- Make sure you are in the Matter section and read the information.
- As you get to the bottom of a page, click next page in Matter to go on to the next.
- Answer the following questions as you read- they are in order:

1) What is the name of the 5th state of matter that we did not study?\_\_\_\_\_

2) Describe or define this 5<sup>th</sup> state of matter as best as you can. It gets easier towards the end of the description.

3) What needs to happen for matter to change states? (Use the Topics Column: Phase Change I)			
- All matter can move from one state to another. It may require extreme	or extreme		
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- The text says, "Phase changes happen when you reach certain special points."
- What did the text mean by certain special points?\_\_\_\_\_

## 4) What are the chemistry terms for the following:

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Solid to a Liquid Liquid to a Solid Liquid to a Gas Gas to a Liquid Solid to a Gas Gas to a Solid



changes.

Name\_\_\_

## 5) Play the video on the Aurora Borealis. https://youtu.be/PaSFAbATPvk\

What state of matter is the aurora?

# 6) What is the difference between a physical and a chemical change of matter? (Use the Topics Column: Chem-Phys)

- Physical changes are usually about physical \_\_\_\_\_\_ of \_\_\_\_\_ or \_\_\_\_\_
- Write one example of a physical change.

-Chemical changes happen on a	level when you have two or more	
Chemical changes happen when	are broken or created during chemical	
- Write one example of a chemical	change	

- Chemical Reactions (cha	nges) occur when two	or more		interact and th	e molecules
change. Bonds between	are broken	and created to forr	m new	,	

 7) What is a heterogeneous mixture? (Use the Topics Column: Solids)
According to the text, heterogeneous mixture mixtures have different concentrations of compounds in different areas of the mixture. Please rewrite this so it is easier to understand.

## 20) What is a colloid? (Use the Topics Column: Solutions I)

Colloids are	with bigger particles.	are usually foggy or milky when you look at them.
In fact, milk is an	colloid.	



## Now take some quizzes:

- 1) Type the following into the address bar: <u>http://www.chem4kids.com/extras/quiz\_matterintro/</u> (General Matter Quiz) Score: \_\_\_\_\_/10
- 2) Type the following into the address bar: <u>http://www.chem4kids.com/extras/quiz\_mattermix/index.html</u> (Mixtures Quiz) Score: \_\_\_/10
- 3) Type the following into the address bar: <u>http://www.chem4kids.com/extras/quiz\_mattersolution/index.html</u> (Solutions Quiz) Score:\_\_/10