Matter Online Review

1. Rags to Riches: Mixtures, Solutions, Elements and Compounds:
http://www.quia.com/rr/33049.html
Identify the 4 classifications of matter - mixtures, solutions, elements, compounds.
How many times did you play? _____ What was the top dollar value you achieved? _____

What was the toughest question?_____

2. Boyles & Charles' Laws. Complete the activity. What factors influence the pressure of a gas in a container?
http://www.glencoe.com/sites/common_assets/science/virtual_labs/PS08/PS08.html
What did you learn: 5 sentences:

_____
_____
_____
_____

Draw the graphs that illustrate both laws. You may use your notes as a reminder

3. Chemical Mixup: http://mint.ua.edu/games/chemical-mixup/
Sort the types of matter into the correct category.

How many level did you achieve: _____ What were your points: _____

4. Matter Sorter Game : for Log In: MMS308   Marshall
http://www.brainpop.com/games/mattersorter/
Play the **Matter Sorter Game   Record your score below:**
       What level did you get to? _____ What was your high score? _____
 Complete the table below, listing 3 examples of each state of matter used in the game

Solid	Liquid	Gas	Plasma
Rock			

5. Play Science Unleashed: Solid Liquid or Gas:
http://www.scienceunleashed.ie/Games/States%20of%20Matter.swf

      How many points did you earn for level 1?: _____   Level 2? _____

6. NOVA: Absolute Zero: http://www.pbs.org/wgbh/nova/zero/
watch some clips (A Sense of Scale), play some games (How Low Can You Go), read more about reaching absolute zero   What did you learn: 3 sentences:

_____
_____
_____
_____

7. Bose-Einstein Condensate (BEC)
• Originally predicted in the 1920s by Satyendra Nath Bose and Albert Einstein & proved in 1995 at the University of Colorado • A BEC is a microscopic blob of atoms that lose their individual identities and shape at extremely low temperatures.
• A "_____", the opposite of _____
• https://www.youtube.com/watch?v=nAGPAb4obs8

8. How does thermal energy affect the state of a substance?
http://www.glencoe.com/sites/common_assets/science/virtual_labs/E17/E17.html
Follow instructions on the left column.
What did you learn: 3 sentences:

_____
_____
_____
_____

Final Conclusions:

Of all the games you played:

1. Which one taught you the most: _____

2. Which one was the most fun: _____

   Which one was the most boring: _____

3. Which one took the longest time to complete:

_____

4. Was this a fun way to review: _____