

Name:
Date:
Hour:

Chemistry ~ Assignment #1

- 1) Give one example of each type of chemical reaction:
 - a. Exothermic

 - b. Endothermic

- 2) Estimate the number of atoms that could fit side by side across the diameter of the period at the end of this sentence.

- 3) List four useful chemical reactions:
 - a.

 - b.

 - c.

 - d.

- 4) Take a deep breath. List some chemicals that you have just inhaled?
 - a. Of those listed, which chemical is most abundant?

- 5) Which metal is most abundant in earth's crust?

- 6) Write the *formulas* and *names* for at least four chemical *compounds* you are familiar with.

<u>Formula</u>	<u>Name</u>
a.	
b.	
c.	
d.	

- 7) **Explain the cause of seasons on earth. (Be specific).**
- 8) **Explain the cause of moon phases.**
- 9) **Draw a picture of a circuit consisting of a battery and a wire touching both terminals. Indicate with several arrows the direction of electron flow through the wire.**
- 10) **Write the formula for water _____ . After electrolysis the water will decompose into _____ gas and _____ gas**
- 11) **Use one or two sentences to describe a chemical reaction that you have used TODAY.**
- 12) **List four indications that a chemical reaction may be taking place:**
- a.
 - b.
 - c.
 - d.
- 13) **Briefly describe the pros and cons of a hydrogen powered car**

14) Create a pie chart showing how you spend your “free time” each day during the school week after school. (Give the average number of hours for each activity per day).

15) Write one paragraph about how you learn.

16) How do you study? Where do you study? If you cannot list many study methods you currently use then finish the paragraph with study methods that you could use.

17) Describe two times you have pushed yourself to achieve something.

18) My biggest accomplishment so far...

19) My next major accomplishment will be...

20) The last good book I read...

21) The best part of my day is when...

22) The compliment I most enjoy receiving...

23) If I could recommend one thing that people should experience...

24) My favorite quote... (feel free to include extras)

Go Vikings!!