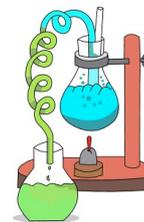


Chemical Reactions

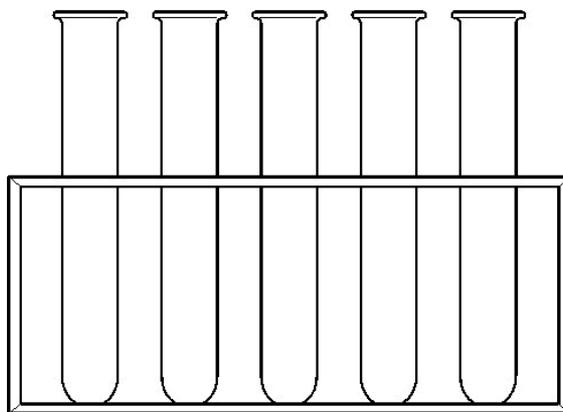


This website is designed to help you gain a better understanding of chemistry. You need to complete the series of activities outlined below and answer any questions on this sheet. Have fun!

Go to the website: <http://jchemed.chem.wisc.edu/JCESoft/CCA/pirelli/index.html> or if this fails to load go to www.ask.com and in the question toolbox type "Chemistry Video Collection from the *Journal of Chemical Education*" and select the 5th website from the list generated for you.

1. What colour does the precipitate turn when Sodium iodide solution is added to mercury(II) chloride solution _____

2. On the diagram below describe what happens to the four different test tubes when a small piece of sodium is dropped into both dilute and concentrated solutions of hydrochloric acid and nitric acid.



3. what colour does the precipitate turn when Sodium sulfide (Na_2S) is added to cadmium nitrate ($\text{Cd}(\text{NO}_3)_2$). _____

4. Describe what happens when A few drops of glycerin (1,2,3-propanetriol) are placed into a hollow in a pile of potassium permanganate. _____

Next go to <http://www.chem4kids.com/>

Click on "atoms"

Have a quick read through this info

Click "next stop on site tour"

5. What name do scientists give for pieces of matter that are smaller than atoms? _____

6. Where are they located? _____

Click "next stop on site tour"

7. What are ions? _____

8. What is electrovalence? _____

9. Complete this sentence:

If you look at the periodic table, you might notice that elements on the left side usually become _____ charged ions and elements on the right side get a _____ charge.

10. What are the two main types of bonding? _____

11. What happens to ionic bonds when they come in to contact with water? _____

To finish off, go to <http://www.abc.net.au/silversun/games/rescue/> and play the scenario game.

Your mission is to rescue the crew before their oxygen runs out.

END OF WEBQUEST

