injured. This disaster is considered the worst industrial accident in the history of the United States.

## **Worksheet #1**

Name:  https://youtu.be/plKw2RIPwSw		Period: Seat#:  11) acid is strong nitric acid and is the leading chemical produ	Seat#:
			acid is stronger than leading chemical produced in
1)	The U.S. manufacturer's approximately	the United States.	
	tons of acid per year.	<b>12)</b> Why is sulfuric acid o	considered a strong acid?
2)	List some products that are manufactured using acids.		
		<b>13)</b> Why shouldn't water	be added to acid?
3)	acid is one of the most dangerous acids and is the primary catalyst in the 3,000,000 tons of explosives detonated annually in North America.		
		<b>14)</b> List some observatio sulfuric acid reacted:	ns when the aluminum foil and
4)	in civil construction.		
5)	is the key ingredient used by the military in explosives.	15) What happens to sug to it?	gar when sulfuric acid is added
6)	Superficial nitric acid burns begin in		
	approximately seconds and 3rd		
	degree burns begin in approx seconds	<b>16)</b> The Mosaic compan	y produces
7)	C-4 is made of approximately% of RDX, which is made from nitric acid.	day, which is comparautomobiles.	tons of sulfuric acid per rable to the weight 17,000
8)	Most of the nitric acid produced goes into the	17) List some uses of su	lfuric acid.
	production of (chemical formula) fertilizer.		
9)	This fertilizer can also be used as an	18) Describe the process	s for producing sulfuric acid.
	for explosives.		
10)	In 1947, a freighter packed with ammonium nitrate fertilizer exploded in Texas City and killed	<b>19)</b> Why do your eyes w	ater when cutting onions?
	people and another 5,000 were		

20) How long does it take for acid to dissolve a body?	31) Why is sulfuric acid used to recover platinum?
21) What acid is produced in your stomach to dissolve food?	<b>32)</b> What is the name of the acid cocktail used to dissolve precious metals?
22) How is gelatin produced?	33) What acids are found in acid rain?
23) List some products that are produced with gelatin.	<b>34)</b> Acid rain has a similar pH to:
24) What type of acid is found in cola?	<b>35)</b> What is another name for hydrochloric acid?
25) How many tons of vinegar are consumed in a year?	<b>36)</b> What happens to mustard gas when inhaled?
<b>26)</b> is also known as "mother of vinegar."	<b>37)</b> In the Middle Ages, goldsmiths used acid to
27) acid is used to make "sugar of lead."	one of the earliest known applications of acid etching.
28) What are the key ingredients (acids) in the electropolishing vats?	38) More people have died in Yellowstone due to  than from bear attacks.
	39) Thermoacidophiles produce
During electropolishing, acid reacts with chromium to form a protective layer of that passivates	from acidic conditions.
stainless steel keeping it sterile.	<b>40)</b> Hyperthermophiles produce an enzyme that is being synthesized to produce clean burning
What catalysts are used in the production of gasoline and jet fuel?	from corn