MODERN MARVELS: ACIDS VIDEO GUIDE

Na	ame Date
1.	The U.S. manufacturer's approximately tons of acid per year.
2.	List some products that are manufactured using acids.
3.	acid is one of the most dangerous acids and is the primary ca
	in the 3,000,000 tons of explosives detonated annually in North America.
4.	is the leading explosive used in civil construction.
5.	is the key ingredient used by the military in explosives.
6.	Superficial nitric acid burns begin in approximately seconds and 3 rd degree burns
	begin in approximately seconds .
7.	C-4 is made of approximately% of RDX, which is made from nitric acid.
8.	Most of the nitric acid produced goes into the production of (chemical formula
	fertilizer.
9.	This fertilizer can also be used as an for explosives.
10.	. In 1947, a freighter packed with ammonium nitrate fertilizer exploded in Texas City and killed
	people and another 5,000 were injured. This disaster is considered the worst
	industrial accident in the history of the United States.
11.	acid is stronger than nitric acid and is the leading chemical produ
	in the United States.
12.	. Why is sulfuric acid considered a strong acid?
13.	. Why shouldn't water be added to acid?
14.	List some observations when the aluminum foil and sulfuric acid reacted:

15.	What happens to sugar when sulfuric acid is added to it?	
16	The Mosaic company produces	tons of sulfuric acid per day, which is
10.	comparable to the weight 17,000 automobiles.	teris of surface dela per day, which is
17.	List some uses of sulfuric acid.	
18.	Describe the process for producing sulfuric acid.	
19.	Why do your eyes water when cutting onions?	
20.	How long does it take for acid to dissolve a body?	
21.	What acid is produced in your stomach to dissolve food?	
22.	How is gelatin produced?	
23.	List some products that are produced with gelatin.	
24.	What type of acid is found in cola?	
25.	How many tons of vinegar are consumed in a year?	

26.	is also known as "mother of vinegar."		
27.	acid is used to make "sugar of lead."		
28.	What are the key ingredients (acids) in the electropolishing vats?		
29.	During electropolishing, acid reacts with chromium to form a protective layer of		
	that passivates stainless steel keeping it sterile.		
30.	What catalysts are used in the production of gasoline and jet fuel?		
21	Mhuis addinis asid asadas assaultations 2		
31.	Why is sulfuric acid used to recover platinum?		
32	What is the name of the acid cocktail used to dissolve precious metals?		
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33.	What acids are found in acid rain?		
34.	Acid rain has a similar pH to		
35.	What is another name for hydrochloric acid?		
36.	What happens to mustard gas when inhaled?		
37.	In the Middle Ages, goldsmiths used acid to, one of		
	the earliest known applications of acid etching.		
38.	More people have died in Yellowstone due to than from		
	bear attacks.		
39.	Thermoacidophiles produce that protect them from acidic		
	conditions.		
40.	Hyperthermophiles produce an enzyme that is being synthesized to produce clean burning		
	from corn.		