

Match the sentence beginnings 1-10 to the endings A-J.

SULFURIC ACID

Adapted from http://en.wikipedia.org/wiki/Sulfuric_acid

1. The hydration reaction of sulfuric acid
 2. Because the hydration of sulfuric acid is thermodynamically favorable, sulfuric acid is.
 3. The affinity of sulfuric acid for water is strong enough
 4. As an acid, sulfuric acid reacts with most bases to.
 5. Sulfuric acid can also be used to.
 6. When combined with nitric acid, sulfuric acid acts both as an acid and a dehydrating agent, forming the nitronium ion NO^+_2 , which.
 7. Concentrated sulfuric acid reacts with sodium chloride, and gives.
 8. Concentrated sulfuric acid also dehydrates sugar, leaving.
 9. Sulfuric acid reacts with most metals via a single displacement reaction.
 10. Dilute H_2SO_4 attacks iron, aluminium, zinc, manganese, magnesium and nickel, but reactions with tin and copper.
-
- A. an excellent dehydrating agent, and is used to prepare many dried fruits
 - B. require the acid to be hot and concentrated
 - C. a porous black carbon mass behind
 - D. to produce hydrogen gas and the metal sulfate
 - E. to remove hydrogen and oxygen atoms from other compounds
 - F. give the corresponding sulfate
 - G. is highly exothermic.
 - H. displace weaker acids from their salts
 - I. hydrogen chloride gas and sodium bisulfate
 - J. is important in nitration reactions involving electrophilic aromatic substitution