

Download Hydrochloric Acid And Magnesium Reaction

Magnesium reacts with dilute hydrochloric acid in a conical flask which is connected to an inverted measuring cylinder in a trough of water. The volume of hydrogen gas produced is measured over a few minutes, and the results are used to plot a graph. The factors that may affect the rate of reaction are as follows:

- Temperature of the Hydrochloric Acid
- Mass of the magnesium ribbon used
- Concentration of the Hydrochloric acid

Although copper doesn't readily react with dilute hydrochloric acid and dilute sulfuric acid (low in reactivity series), if heated with nasty oily concentrated sulfuric acid you make nasty pungent irritating sulphur dioxide gas and white anhydrous copper(II) sulfate, but this is NOT a reaction on which to base its place in the metal ... Having conducted an investigation involving multiple metals, I have found that nickel refuses to react with concentrated hydrochloric acid. I have even left the reaction overnight and still have se...