

The Thermite Reaction

What did you see?

Did you know?

The thermite reaction, also known as the Goldschmidt process, is used to join train tracks together via an amazing process called exothermic welding, which basically involves sending molten iron into a sand mold.



It is very useful for welders as it does not require charcoal or *carbon* like smelting does, and so leaves a nice relatively pure iron metal. Other metals such as *copper* can also be prepared by a thermite reaction. Even *uranium* has been produced from uranium ore by the thermite process!