

# What does cobalt react with

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Cobalt does not react readily with air. Upon heating the oxide  $\text{Co}_3\text{O}_4$  is formed, and if the reaction is carried out above  $900^\circ\text{C}$ , the result is cobalt (II) oxide,  $\text{CoO}$ . Cobalt does not react directly with ...

The chemistry of the transition metal cobalt (most common oxidation states +2 and +3) is dominated by the stability of the cobalt (II) ion which forms a wide variety ...

Cobalt is a moderately reactive metal that combines with oxygen in the air and most acids. It does not react with water at room temperature, but reacts with water at ...

Cobalt reacts with chlorine, bromine and iodine to form cobalt dihalides. Cobalt metal dissolves in dilute sulphuric acid to form solutions containing the Co (II) ion and hydrogen gas.

This WebElements periodic table page contains reactions of elements for the element cobalt

Cobalt is one of the three metals that are ferromagnetic at room temperature. It dissolves slowly in dilute mineral acids, does not combine ...

Overview Characteristics Compounds Isotopes Etymology History Occurrence Production Cobalt is a ferromagnetic metal with a specific gravity of 8.9. The Curie temperature is  $1,115^\circ\text{C}$  ( $2,039^\circ\text{F}$ ) and the magnetic moment is 1.6-1.7 Bohr magnetons per atom. Cobalt has a relative permeability two-thirds that of iron. Metallic cobalt occurs as two crystallographic structures: hcp and fcc. The ideal transition temperature between the hcp and fcc structures is  $450^\circ\text{C}$  ( $842^\circ\text{F}$ ), but in practice the energy difference betwe...

Cobalt is a silver-gray transition metal that reacts with oxygen, hydrogen, and other nonmetals to form compounds. It has many applications in batteries, magnets, ...

The distinctive colours of the two cobalt (II) species in solution produce an attractive visual demonstration of

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a reversible reaction and the effect of concentration and ...

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