

Title: What does cobalt react with

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Does cobalt react with air?

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 nitrogen,  $\text{N}_2$ . The precipitate dissolves in excess ammonia.

Is cobalt a reactive element?

Cobalt is somewhat of a reactive element. It combines with oxygen in the air, but does not catch on fire and burn unless it is in powder form. Cobalt has the ability to react with most acids to produce hydrogen gas. However cobalt does not react with water that is at room temperature.

How does cobalt react with sulphuric acid?

Cobalt metal dissolves slowly in dilute sulphuric acid to form solutions containing the aquated  $\text{Co}(\text{II})$  ion together with hydrogen gas,  $\text{H}_2$ . The actual occurrence of  $\text{Co}(\text{II})$  in aqueous solution is as the complex ion  $[\text{Co}(\text{OH})_2]^{2+}$ . Cobalt does not react readily with air.

Does cobalt react with water?

Cobalt has the ability to react with most acids to produce hydrogen gas. However cobalt does not react with water that is at room temperature. The simplest ion that cobalt forms in solution is the pink hexaaquacobalt (II) ion -  $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ .

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

Cobalt react with oxygen, sulfur, fluorine, chlorine, carbon, nitrogen etc. Could cobalt react to other metals? Cobalt form many important alloys with other metals.

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 ...

Heating above  $900^\circ\text{C}$  will result in cobalt (II) oxide being formed. Cobalt reacts with chlorine, bromine and iodine to form cobalt dihalides. Cobalt metal dissolves in dilute sulphuric acid to form solutions ...

Master "Do vs Does" with this easy guide! Learn the rules, see real examples, and practice with our comparison chart. Perfect for Everyone.

DOES definition: a plural of doe. See examples of does used in a sentence.

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Source: <https://www.esafet.co.za/Wed-30-Apr-2025-33724.html>

The meaning of DOES is present tense third-person singular of do; plural of doe.

Which Elements Can Cobalt Combine With? Cobalt (Co) is the the 27th element in the periodic table of elements and is a member of the transition metal family. According to Georgia State ...

Website: <https://www.esafet.co.za>

