

caco3 insoluble or soluble

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How much acid is needed to dissolve 1kg of CaCO₃?

The discussion focuses on the calculation of acid required to dissolve 1 kg of calcium carbonate (CaCO₃) for extracting microfossils. The participants confirm that a monoprotic acid, such as acetic acid, monochloric acid, or formic acid, is suitable for this purpose without damaging the fossils. The balanced chemical reaction indicates that two moles of acid are needed for every mole of CaCO₃ ...

Calculate the mass percent of each element in CaCO₃?

CaCO₃ is the formula of the substance (calcium carbonate), which gives the information about the proportions of the different elements which make up the compound. To find the 'mass percentage ...

Is CaCO₃ a salt? - Answers

Why is CaCO₃ a salt? CaCO₃ is considered a salt because it is a compound formed from the reaction between a metal (calcium) and a non-metal (carbon and oxygen).

Calculating alkalinity and expressing it in as CaCO₃

This discussion focuses on calculating alkalinity expressed as CaCO₃ from various ions, specifically Ca²⁺, Mg²⁺, CO₂, HCO₃⁻, and CO₃²⁻. The calculations provided by the user yield results that are slightly different from the textbook answers due to variations in molar masses used.

How many molecules in CaCO₃? - Answers

One molecule of CaCO₃ is composed of one calcium (Ca) atom, one carbon (C) atom, and three oxygen (O) atoms, for a total of five atoms.

Is CaCO₃ a strong base? - Answers

No, CaCO₃ is not a strong base. It is a weak base, known as calcium carbonate. When dissolved in water, it only partially ionizes to release hydroxide ions.

Why hardness is always calculated in terms of caco3?

Marble is known as Calcium Carbonate (CaCO₃) in terms of chemical formula. Technetium is relatively rare, with an atomic number of 43.

What is the chemical equation when calcium carbonate

reacts with ...

Calcium carbonate is represented by the chemical formula CaCO_3 . In a symbol equation, the reaction of calcium carbonate with hydrochloric acid can be written as: $\text{CaCO}_3 + 2\text{HCl} \rightarrow \text{CaCl}_2 + \text{CO}_2 + \text{H}_2\text{O}$.

How many atoms are there in the formula of calcium carbonate CaCO_3 ...

The molecular formula for calcium carbonate is CaCO_3 . It consists of one calcium atom, one carbon atom, and three oxygen atoms.

What is the balanced equation for calcium carbonate and vinegar?

The balanced chemical equation for the reaction between calcium carbonate (CaCO_3) and vinegar (acetic acid, CH_3COOH) is: $\text{CaCO}_3 + 2\text{CH}_3\text{COOH} \rightarrow \text{Ca}(\text{CH}_3\text{COO})_2 + \text{CO}_2 + \text{H}_2\text{O}$ This equation shows that ...