

- Solid sodium hydroxide reacts with carbon dioxide to produce sodium carbonate and water. Calculate the mass of sodium hydroxide required to prepare 53.0 g of sodium carbonate.

Marks
3

Answer:

- Analysis of an unknown compound returned the following percentage composition by weight:

nitrogen: 26.2%; chlorine: 66.4% hydrogen 7.5%

What is the empirical formula of this compound?

3

Answer: