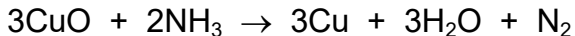


10 The equation for the reaction between copper(II) oxide, CuO, and ammonia is given.



[M_r : CuO, 80; NH₃, 17; H₂O, 18; N₂, 28]

[A_r : Cu, 64]

Which statements about this reaction are correct?

- 1 80.0 g of copper(II) oxide reacts exactly with 17.0 g of ammonia.
- 2 4.0 g of copper(II) oxide reacts with excess ammonia to produce 3.2 g of copper.
- 3 The mass of water produced in this reaction is greater than the mass of nitrogen.

A 1, 2 and 3 **B** 1 and 2 only **C** 1 and 3 only **D** 2 and 3 only