

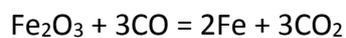
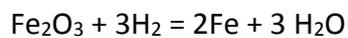
Answer on question #58805 - Chemistry - Inorganic Chemistry

Question:

If an iron company needs to make 61 tons of iron, how many tons of hematite must react?

Solution:

The iron can be obtained by reactions:



If an iron company needs to make 61 tons of iron, than mass of hematite is:

$$m(\text{Fe}_2\text{O}_3) = (160 \text{ g/ mol} * 61 \text{ ton}) / 112 \text{ g/ mol} = 87.14 \text{ ton}$$

Answer: An iron company needs 87.14 ton of hematite.