EXIT TICKET

Suppose you're in a chemistry lab, and you want to synthesize water (H_2O) by reacting hydrogen gas (H_2) with oxygen gas (O_2) according to the following balanced chemical equation:

$$2H_2(g) + O_2(g) \rightarrow 2H_2O(g)$$

You have 10.0 grams of hydrogen gas (H_2) and 40.0 grams of oxygen gas (O_2). After carrying out the reaction, you find that you obtain 16.0 grams of water (H_2O). Calculate the percent yield of the reaction.

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