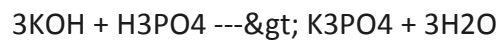


## Answer on Question #40474 – Chemistry – Other

### Question:

For the following chemical reaction, how many moles of potassium phosphate (K<sub>3</sub>PO<sub>4</sub>) will be produced from 4 mol of potassium hydroxide (KOH)?



### Answer:

From this reaction we see:  $n(\text{KOH})/n(\text{K}_3\text{PO}_4) = 3/1$

So,  $n(\text{K}_3\text{PO}_4) = n(\text{KOH})/3 = 4/3 = 1.333\text{mol}$