

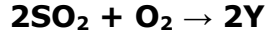
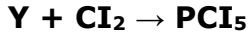
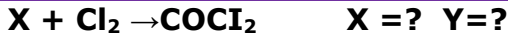
KİMYASAL TEPKİMELER ÇALIŞMA KÂĞIDI

Aşağıdaki kimyasal tepkimeleri denkleştiriniz.

$\text{Al} + \text{H}_2\text{SO}_4 \rightarrow \text{Al}_2(\text{SO}_4)_3 + \text{H}_2$	$\text{C}_2\text{H}_2 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
$\text{Al}_4\text{C}_3 + \text{H}_2\text{O} \rightarrow \text{Al}(\text{OH})_3 + \text{CH}_4$	$\text{H}_2\text{S} + \text{O}_2 \rightarrow \text{H}_2\text{O} + \text{SO}_2$
$\text{C}_3\text{H}_8\text{O}_2 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	$\text{NaHCO}_3 \rightarrow \text{Na}_2\text{CO}_3 + \text{CO}_2 + \text{H}_2\text{O}$
$\text{H}_2\text{SO}_4 + \text{KOH} \rightarrow \text{K}_2\text{SO}_4 + \text{H}_2\text{O}$	$\text{Na}_2\text{SO}_3 + \text{HCl} \rightarrow \text{NaCl} + \text{SO}_2 + \text{H}_2\text{O}$
$\text{NaOH} + \text{H}_2\text{CO}_3 \rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O}$	$\text{SO}_2 + \text{O}_2 \rightarrow \text{SO}_3$

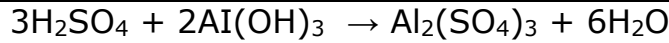
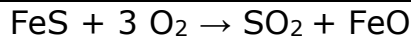
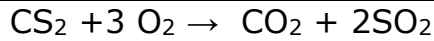
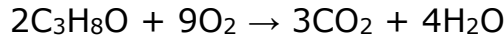
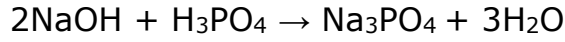
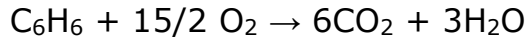
Aşağıdaki denkleştirilmiş kimyasal tepkimelerde verilmeyen maddeyi bulunuz.

$\text{Mg} + 2\text{HCl} \rightarrow \text{Y} + \text{H}_2$	$\text{CaCO}_3 \rightarrow \text{Y} + \text{CO}_2$
$\text{C}_x\text{H}_y\text{OH} + 4\text{O}_2 \rightarrow 3\text{CO}_2 + 3\text{H}_2\text{O}$	$\text{C}_4\text{H}_6(\text{OH})_2 + 5\text{O}_2 \rightarrow \text{X CO}_2 + \text{YH}_2\text{O}$
$\text{C}_7\text{H}_5\text{O}_2\text{Na} + \text{NaOH} \rightarrow 6\text{X} + \text{Na}_2\text{CO}_3$	$\text{Zn} + 2\text{HCl} \rightarrow \text{ZnX}_2 + \text{H}_2 \quad \text{X}=? \quad \text{Y}=?$ $2\text{N}_2 + 3\text{O}_2 \rightarrow 2\text{Y}_2\text{O}_3$

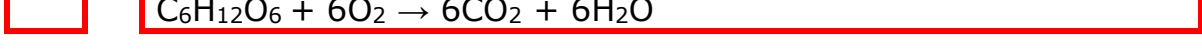
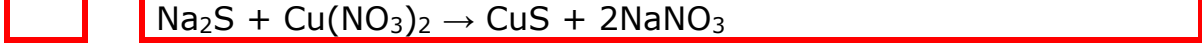
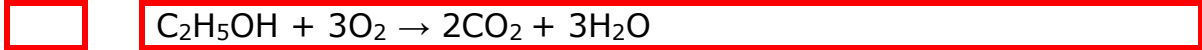


Aşağıdaki kimyasal tepkimeler doğru denkleştirilmiş ise "D" , yanlış denkleştirilmiş ise "Y" harfini işaretleyiniz.

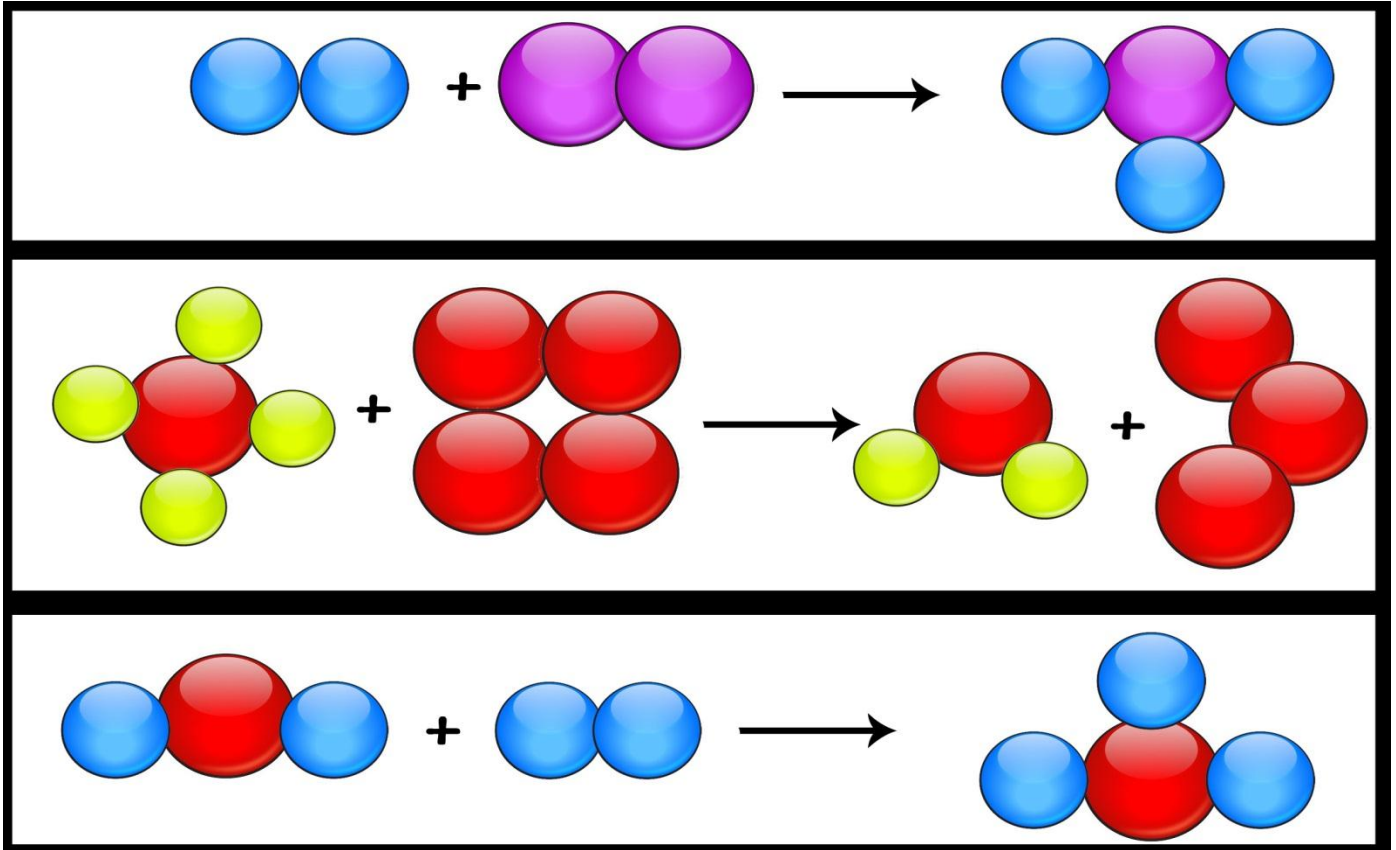
D	Y



Aşağıdaki tepkimeler yanma tepkimesi ise işaretleyiniz.

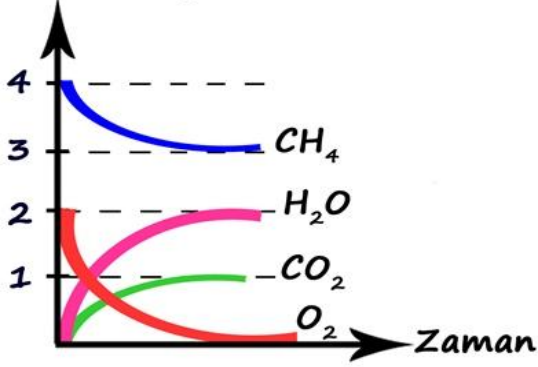


Aşağıdaki kimyasal tepkime modellerinde tepkimeleri denkleştiriniz.



Aşağıdaki grafikte bir kimyasal tepkimeye giren maddelerin ve ürünlerin molekül sayılarındaki değişim verilmiştir. Buna göre cümlelerdeki boşlukları tamamlayınız.

Molekül sayısı



Kimyasal tepkime, + → + şeklinde gösterilir.

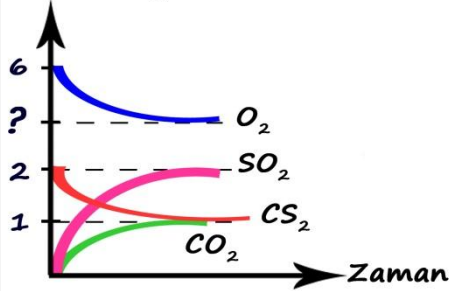
Kimyasal tepkimede ve üründür.

Kimyasal tepkimede ve giren maddelerdir.

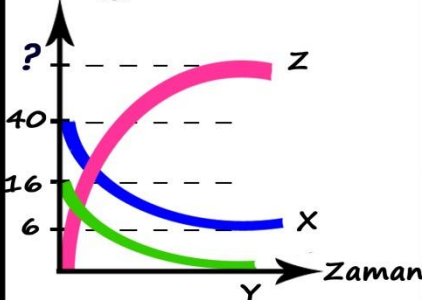
Kimyasal tepkimede CH_4 'in katsayısı, H_2O katsayısı, CO_2 'in katsayısı, O_2 'nin katsayısıdir.

Aşağıdaki grafiklerde "?" yerine gelecek olan değerleri bulunuz.

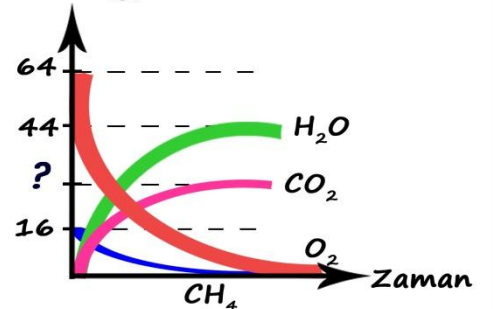
Molekül sayısı



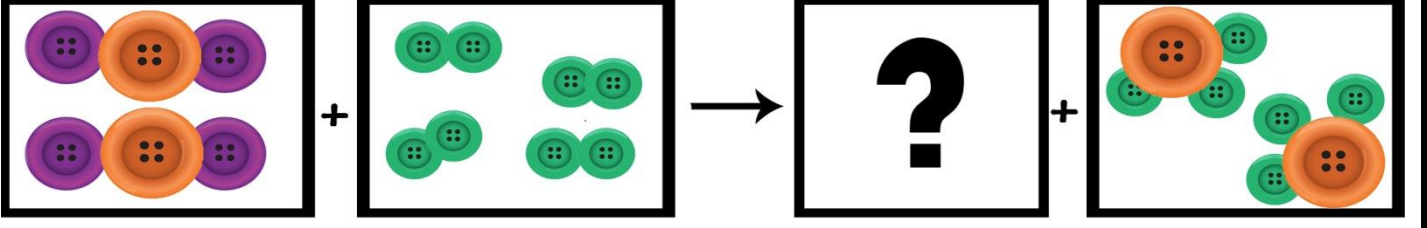
Kütle(g)



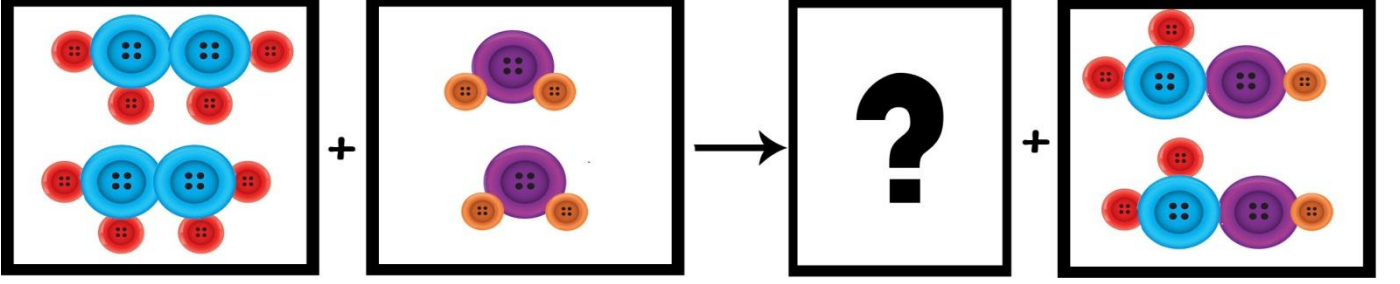
Kütle(g)



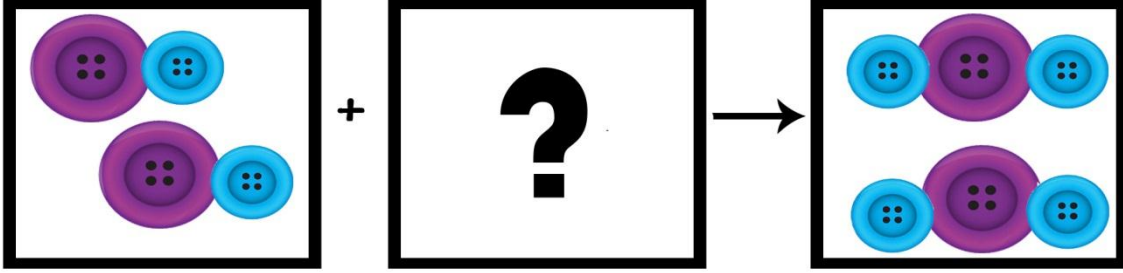
Düğmelerle yapılan aşağıdaki kimyasal tepkime modellerinde "?" ile gösterilen yere gelmesi gereken düğmelerin yanına sayısını yazınız.



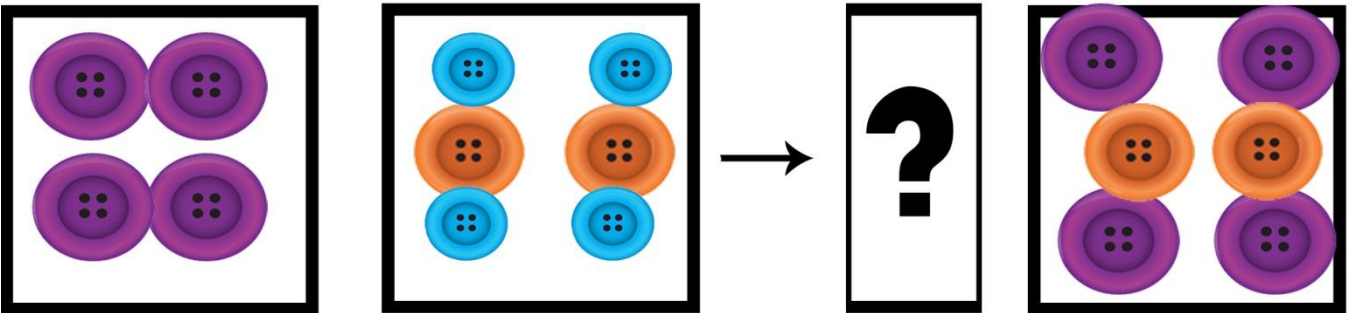
Orange button: Purple button: Green button:



Blue button: Red button: Purple button: Orange button:



Purple button: Blue button:



Purple button: Orange button: Blue button: