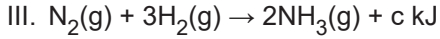
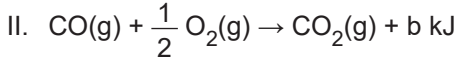
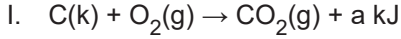


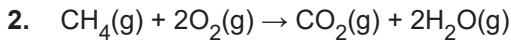
## Kimyasal Tepkimelerde Enerji - 2

1. Aşağıda bazı tepkimelerin  $\Delta H^\circ$  değerleri a, b ve c olarak verilmiştir.



Buna göre hangilerinin  $\Delta H^\circ$  değerleri molar oluşma entalpisine eşittir?

- A) Yalnız I.                      B) Yalnız II.                      C) I ve II.  
D) I ve III.                      E) I, II ve III.



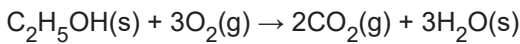
tepkimesinin entalpi değişimini bulmak için aşağıda verilen hangi bağ enerjisinin bilinmesine gerek yoktur?

- A) O = O                      B) C – H                      C) O – H  
D) H – H                      E) C = O

3.

Bileşik	$\Delta H^\circ$ (kJ/mol)
$C_2H_5OH(s)$	-278
$CO_2(g)$	-393
$H_2O(s)$	-286

Tabloda verilenlere göre,

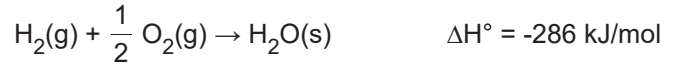


tepkimesinin entalpi değişimi kaç kJ'dür?

- A) +1366                      B) +694                      C) +400  
D) -400                      E) -1366

4.

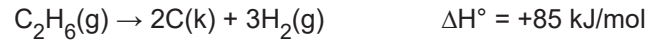
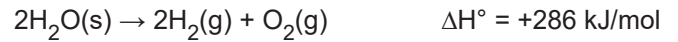
Bağ	Ortalama Bağ Enerjisi (kJ/mol)
H – H	436
O = O	498



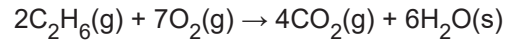
olduğuna göre, O – H bağ enerjisi kaç kJ/mol'dür?

- A) 485,5                      B) 385,5                      C) 299,5  
D) 199,5                      E) 85,5

5.



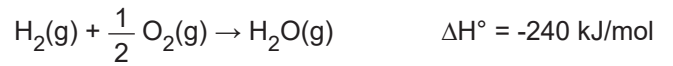
olduğuna göre,



tepkimesinin entalpi değişimi kaç kJ'dür?

- A) -2260                      B) -884                      C) +884  
D) +2260                      E) +2600

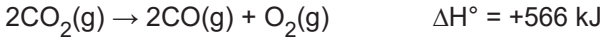
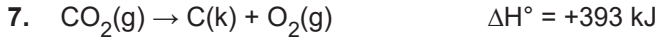
6.



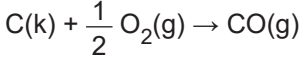
olduğuna göre, 54 gram su buharının elementlerine ayrışması sırasında meydana gelen entalpi değişimi kaç kJ'dür? (H:1g/mol, O:16g/mol)

- A) -720                      B) -400                      C) +400  
D) +720                      E) +800

Kimyasal Tepkimelerde Enerji - 2



olduğuna göre;



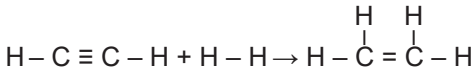
tepkimesinin entalpi değişimi kaç kJ'dür?

- A) -172                      B) -110                      C) +110  
D) +172                      E) +221

8.

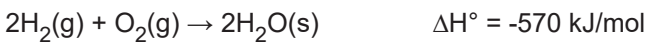
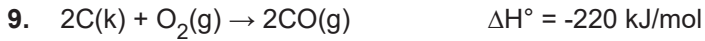
Bağ	Ortalama Bağ Enerjisi (kJ/mol)
H - H	436
C = C	615
C ≡ C	812
C - H	416

Tabloda verilenlere göre,

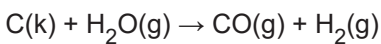


tepkimesinin entalpi değişimi kaç kJ'dür?

- A) -416                      B) -199                      C) +199  
D) +416                      E) 632

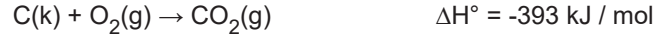
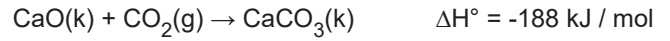
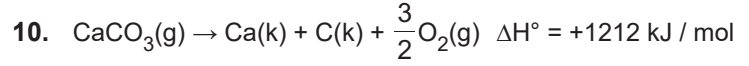


olduğuna göre,

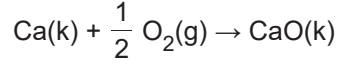


tepkimesinin entalpi değişimi kaç kJ'dür?

- A) -830                      B) -350                      C) +130  
D) +350                      E) +830

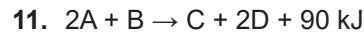


tepkimleri verildiğine göre;

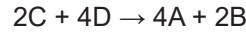


tepkimesinin aynı şartlardaki  $\Delta H^\circ$  değeri kaç kJ / mol' dür?

- A) -631                      B) -421                      C) -191  
D) +106                      E) +139

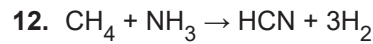


tepkimesine göre,



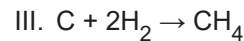
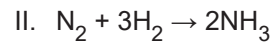
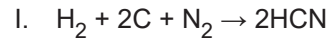
tepkimesinin entalpi değişimi kaç kJ olur?

- A) -180                      B) -45                      C) +45  
D) +90                      E) +180



tepkimesinin entalpi değişimi Hess yasası ile hesaplamak isteniyor.

Bunun için aynı şartlarda;



tepkimelerinden hangilerinin entalpi değişimlerinin bilinmesi gerekir?

- A) Yalnız I.                      B) Yalnız II.                      C) I ve II.  
D) I ve III.                      E) I, II ve III.

