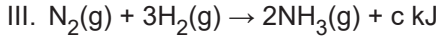
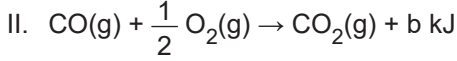
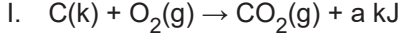


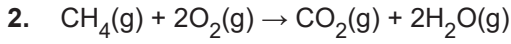
Kimyasal Tepkimelerde Enerji - 2

1. Aşağıda bazı tepkimelerin ΔH° değerleri a, b ve c olarak verilmiştir.



Buna göre hangilerinin ΔH° değerleri molar oluşma entalpisine eşittir?

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



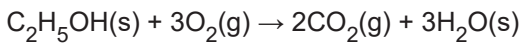
tepkimesinin entalpi değişimini bulmak için aşağıda verilen hangi bağ enerjisinin bilinmesine gerek yoktur?

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

3.

Bileşik	ΔH° (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.

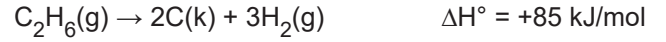
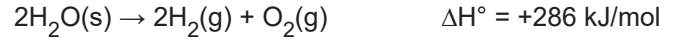
Bağ	Ortalama Bağ Enerjisi (kJ/mol)
H – H	436
O = O	498



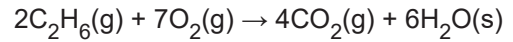
olduğuna göre, O – H bağ enerjisi kaç kJ/mol'dür?

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

5.



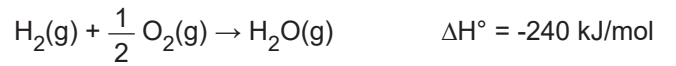
olduğuna göre,



tepkimesinin entalpi değişimi kaç kJ'dür?

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

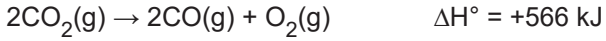
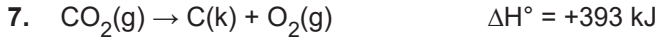
6.



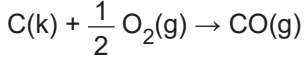
olduğuna göre, 54 gram su buharının elementlerine ayrışması sırasında meydana gelen entalpi değişimi kaç kJ'dür? (H:1g/mol, O:16g/mol)

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

Kimyasal Tepkimelerde Enerji - 2



olduğuna göre;



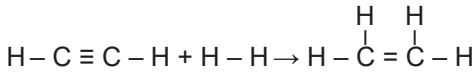
tepkimesinin entalpi değişimi kaç kJ'dür?

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

8.

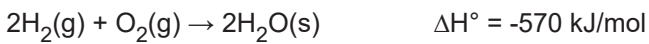
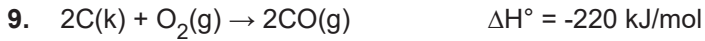
Bağ	Ortalama Bağ Enerjisi (kJ/mol)
H - H	436
C = C	615
C ≡ C	812
C - H	416

Tabloda verilenlere göre,

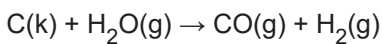


tepkimesinin entalpi değişimi kaç kJ'dür?

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

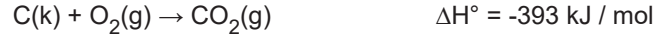
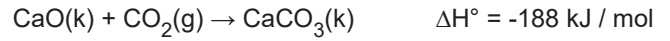
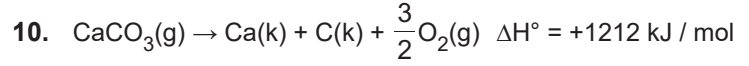


olduğuna göre,

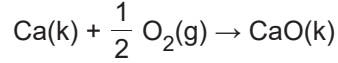


tepkimesinin entalpi değişimi kaç kJ'dür?

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

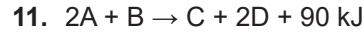


tepkimleri verildiğine göre;

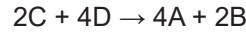


tepkimesinin aynı şartlardaki ΔH° değeri kaç kJ / mol' dür?

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

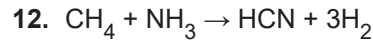


tepkimesine göre,



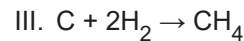
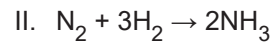
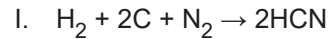
tepkimesinin entalpi değişimi kaç kJ olur?

- 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.

