Doğru

In which of these cases does the central atom have a zero formal charge?

Select one:

a.

b.

) C.

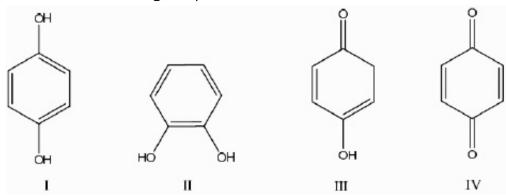
• d.

e. HFH

The correct answer is:

Question 2	Incorrect	Mark 0.00 out of 1.00	
	nal charge on c	arbon in the following structure?	
Select one:			
a. +2			🗡 Yanlış
o b. 0			
c. +1			
d2			
e1			
The correct answ	wer is: 0		
Question 3	Correct	Mark 1.00 out of 1.00	
	nal charge on c	Mark 1.00 out of 1.00 exygen in the following structure?	
What is the forn	nal charge on c		
What is the form H ₃ CC≡O:	nal charge on c		
What is the form H ₃ CC≡O: Select one:	nal charge on c		
What is the form H ₃ CC≡O: Select one: a. +2	nal charge on c		✓ Doğru
What is the form H ₃ CC≡O: Select one: a. +2 b. 0	nal charge on c		✓ Doğru
What is the form H ₃ CC≡O: Select one: a. +2 b. 0 c. +1	nal charge on c		√ Doğru
What is the form H ₃ CC≡O: Select one: a. +2 b. 0 c. +1 d2	nal charge on c		√ Doğru

Which of the following compounds is not a constitutional isomer of the others?



Select one:

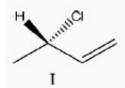
- a. IV
- a. IV

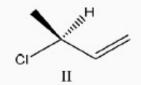
Doğru

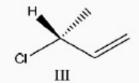
- b. All of these choices are constitutional isomers.
- O c. I
- od. III
- e. II

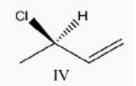
The correct answer is: IV

Which of the following structure is an acceptable bond line formula for CH3CHClCHCH2?









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Select one:

- a. II and III
-) b. I
- c. I, II, and III
- d. All of these choices.
- e. I and IV

The correct answer is: All of these choices.

Which of these is a correct electron-dot representation of the nitrite ion, NO_2 ?

X Yanlış

$$\begin{bmatrix} : \ddot{\circ} : \ddot{\mathsf{N}} : \ddot{\circ} : \end{bmatrix}^{-} \qquad \begin{bmatrix} : \ddot{\circ} : \ddot{\mathsf{N}} : \ddot{\circ} \end{bmatrix}^{-}$$
IV

Select one:

- a. I
- b. V
- c. IV
- d. II
- e. III

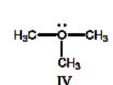
The correct answer is: I

Which structure(s) contain(s) an oxygen that bears a formal charge of +1?











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Select one:

- a. ||
- b. III and IV
- c. I and V
- O d. V
- e. I and II

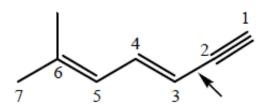
The correct answer is: III and IV

Question 8

Correct

Mark 1.00 out of 1.00

Identify the hybridized orbitals involved in the C-2---C-3 sigma bond (indicated by an arrow) in the following molecule: (while writing the orbitals separate them with a comma)



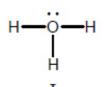
Answer:

Sp2-sp

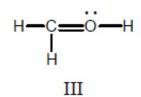
The correct answer is: sp, sp2

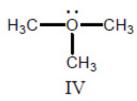
Comment:

In which structure(s) below does the oxygen have a formal charge of +1?









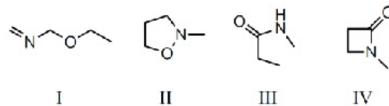
Select one:

- a. II only
- b. I and IV
- c. I only
- d. I and III
- e. I, III, and IV



The correct answer is: I, III, and IV

Which compound is *not* a constitutional isomer of the others?



Select one:

- a. II
-) b. I
- c. All of these choices are isomers of each other.
- d. III
- e. IV



The correct answer is: IV