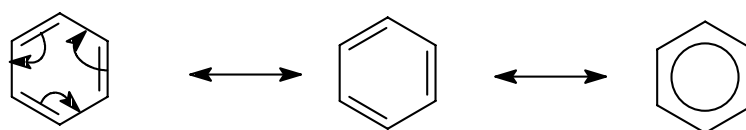


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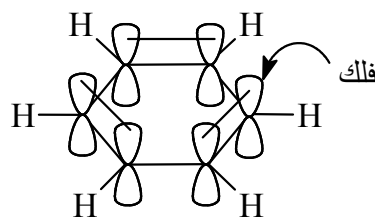
)

sp<sup>2</sup>

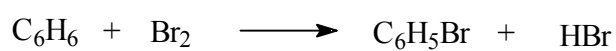
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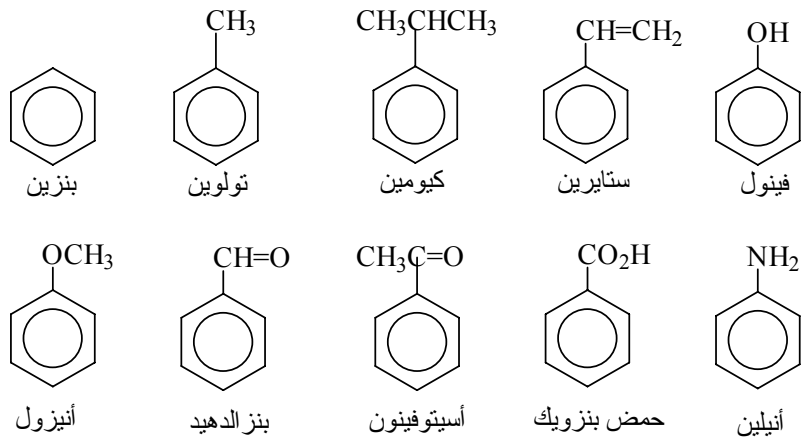
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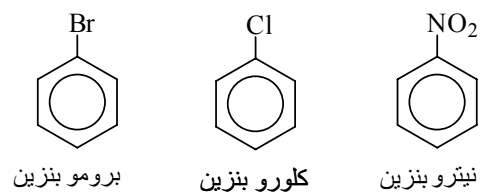


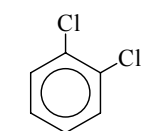
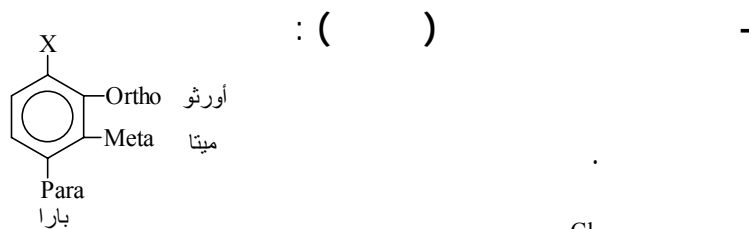
: (IUPAC) \_\_\_\_\_ -1-2-4

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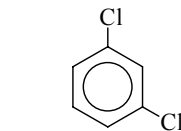
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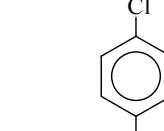




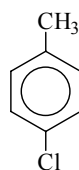
أورثو ثنائي كلورو



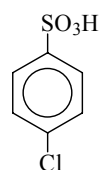
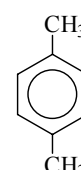
ميثا ثنائي كلورو بنزين



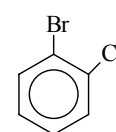
بارا ثنائي كلورو بنزين



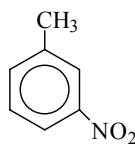
بارا كلورو تولوين

بارا كلورو بنزين  
حمض البنزويك

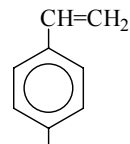
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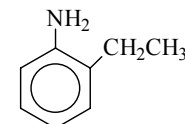
أورثو كلورو برومو بنزين



ميثا نيترو تولوين



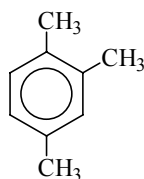
بارا كلورو ستايرين



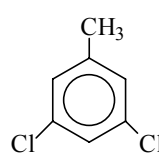
أورثو ايثايل انيلين

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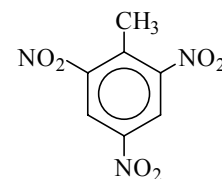
(1)



ثلاثي ميثايل بنزين (4,2,1)



ثنائي كلورو تولوين (5,3)



ثلاثي نيترو تولوين (6,4,2)

:1-4

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- ( b . - ( a

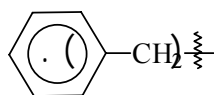
- ( d . - ( c

( 5 3 1 ) - ( e

- 4 - ( 6 2 ) - ( f

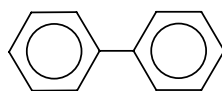
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(Ar , ) (Ph , )

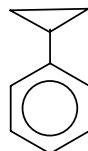
( H - C<sub>6</sub>H<sub>6</sub> )CH<sub>2</sub>. (C<sub>6</sub>H<sub>5</sub>-)

(Ph )

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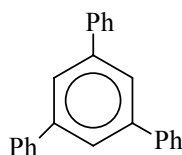
بای فینایل



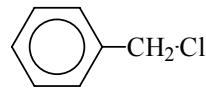
فینایل سایکلو بروبان

CH<sub>3</sub>CHCH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>

-2 فینایل بنتان



تلائی فینایل بنزین ( 5 , 3 , 1 )



بنزایل کلوراید

:2-4

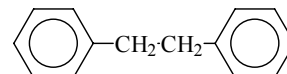
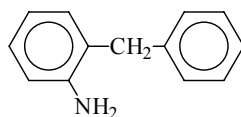
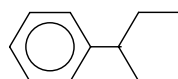
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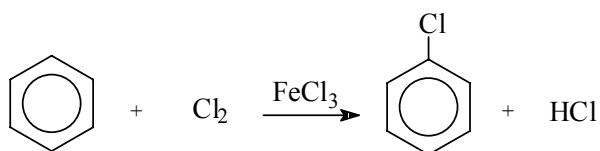


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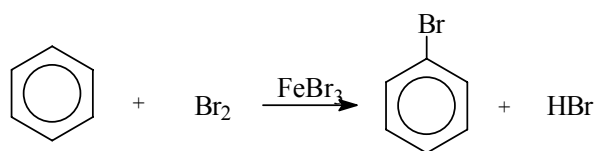
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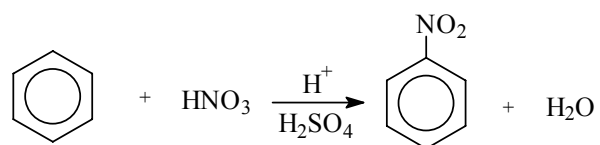
: \_\_\_\_\_ - 1



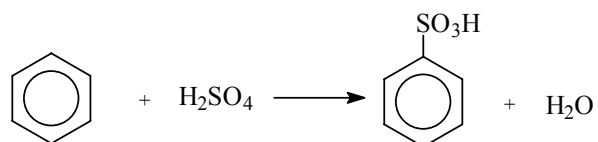
: \_\_\_\_\_ - 2



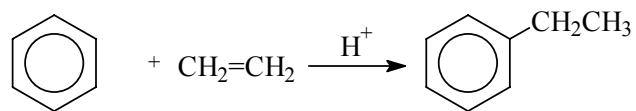
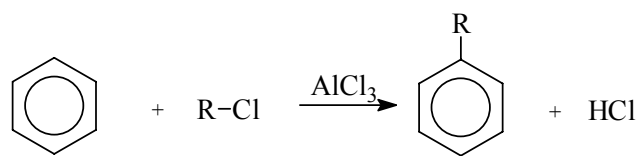
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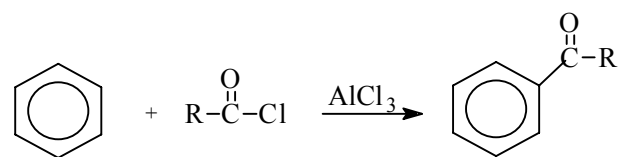
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: \_\_\_\_\_ - 4-3-4



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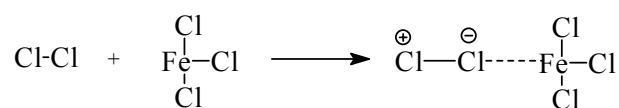
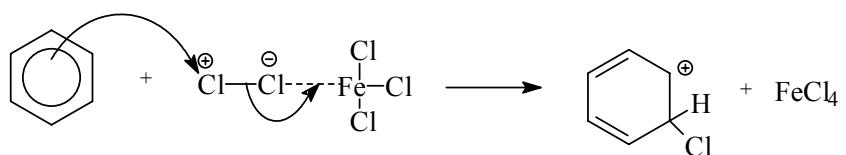


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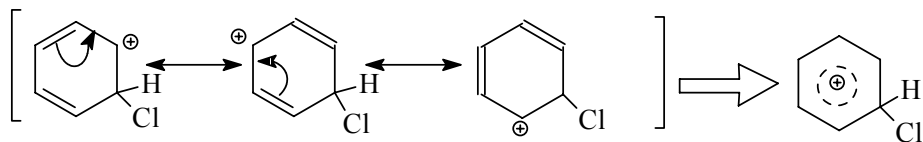
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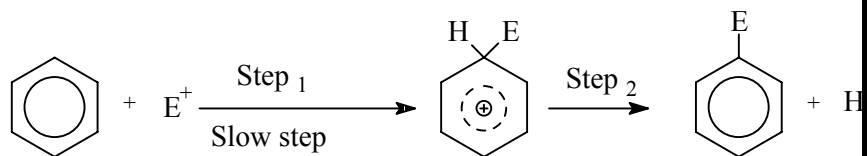
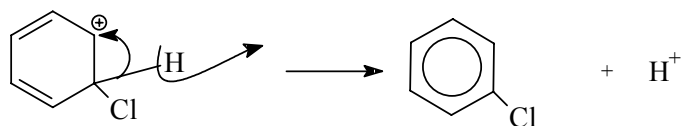
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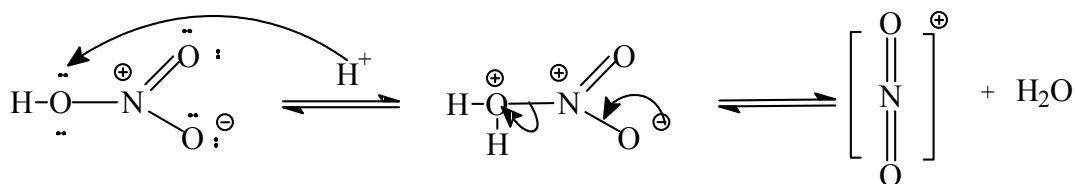
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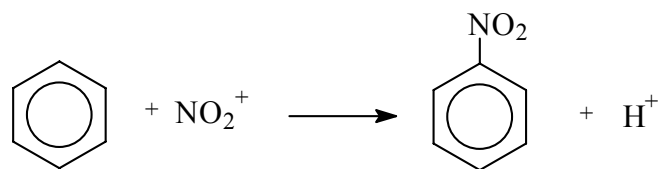
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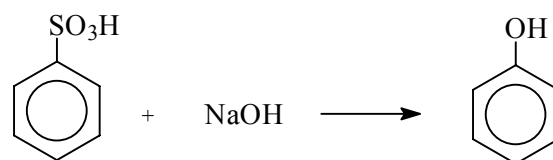
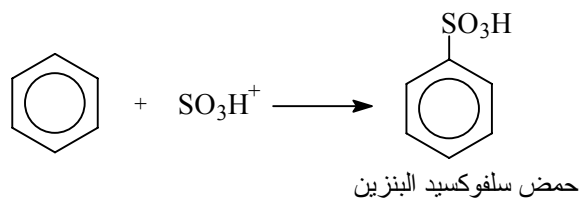
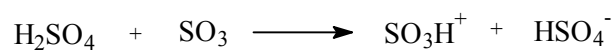
\_\_\_\_\_ : -1



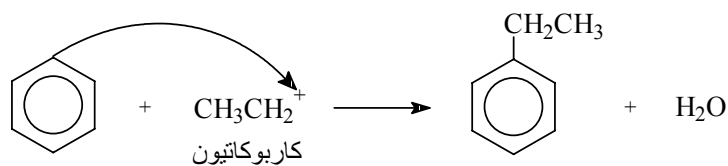
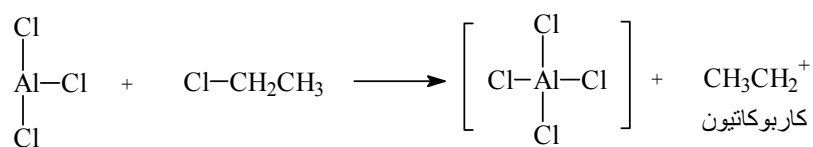




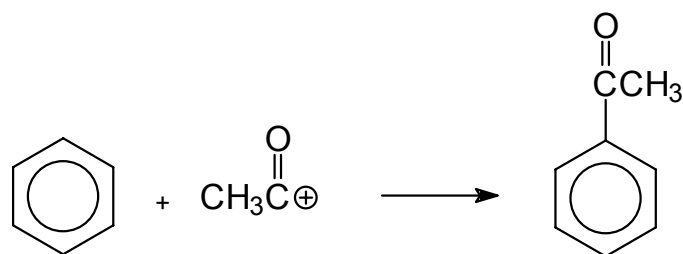
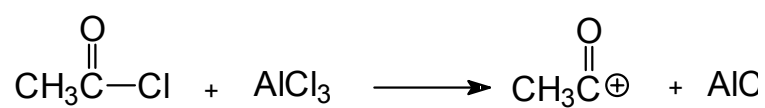
$\text{HSO}_3^+$  ( ) : \_\_\_\_\_ -2



( - ) : \_\_\_\_\_ -3  
(  $\text{AlCl}_3$  )



-5-4

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