כימיה אורגנית להנדסאים

פרק 15 - אמינים

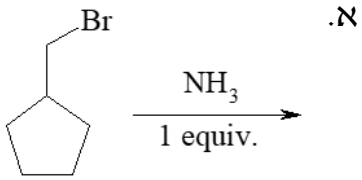
תוכן העניינים

1. כללי 1

אמינים:

שאלות:

1) מהם התוצרים בתגובות הבאות:

א.


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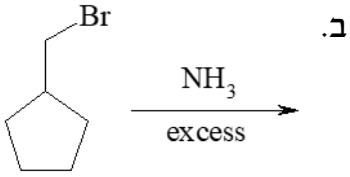
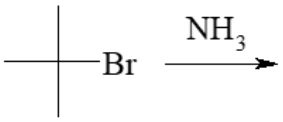
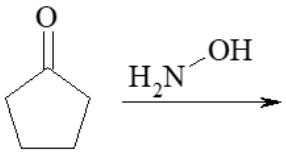
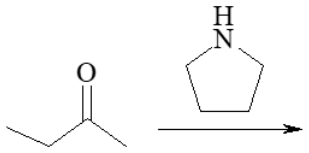
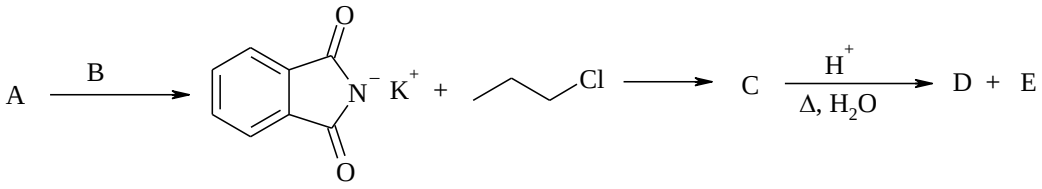


ג.


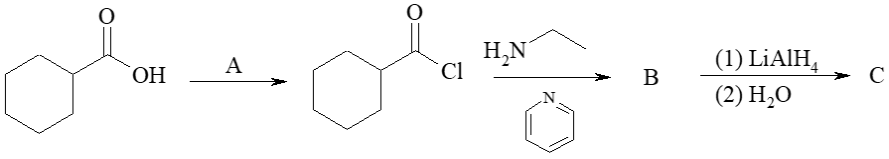
ד.


ה.


2) השלם את הסכימה הבאה:



3) השלם את הסכימות הבאות:

א.


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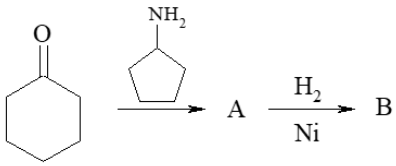

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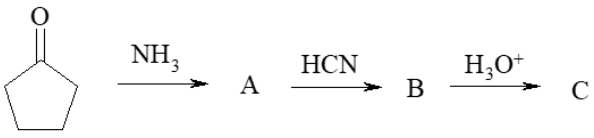
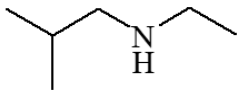
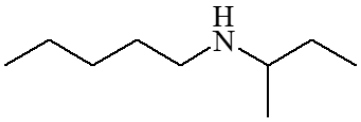
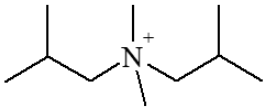
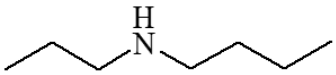


4) הכן את החומרים הבאים תוך שימוש כהלים המכילים עד 4 פחמנים וכל ריאגנט אי-אורגני:

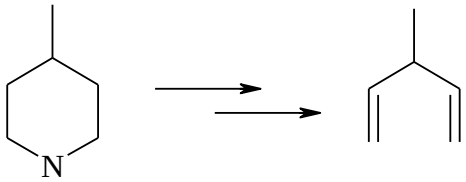
א. 

ב. 

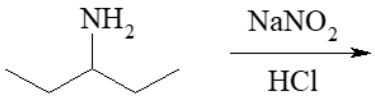
ג. 

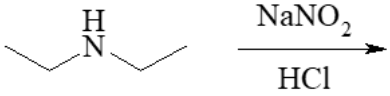
ד. 

5) הצע דרך סינטטית לקבלת התוצר הבא:

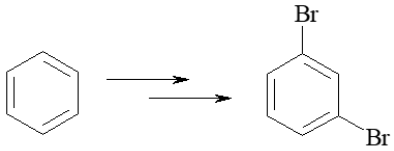


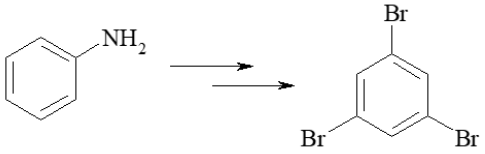
6) השלם את התוצרים:

א. 

ב. 

7) הצע דרך סינטטית לקבלת התוצרים הבאים:

א. 

ב. 

ג. 