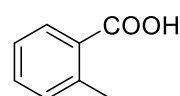
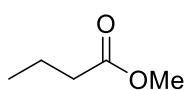
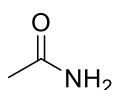
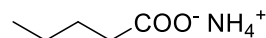
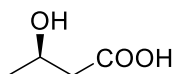
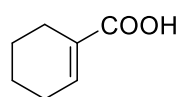


10. ACIDI CARBOSSILICI E DERIVATI

1) Assegna il nome e disegna la formula di struttura dei quattro acidi carbossilici di formula molecolare $C_5H_{10}O_2$. Quale è chirale?

2) Assegna i nomi ai seguenti composti assegnando anche la stereochimica.



3) Disegna una formula di struttura per i seguenti composti:

a) Acido fenilacetico

b) Acido 4-clorobutanoico

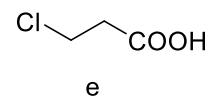
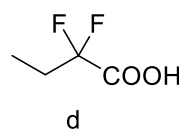
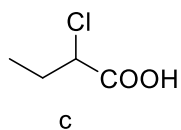
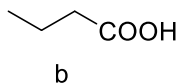
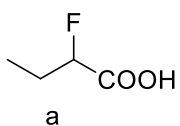
c) Acido 2-ossocicloesancarbossilico

d) Acetato di metile

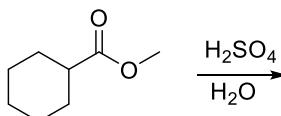
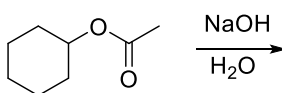
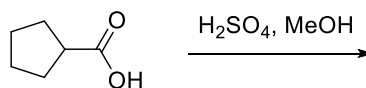
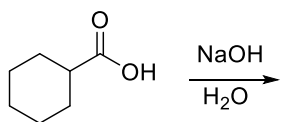
e) Butanammide

f) Acido p-iodobenzoico

4) Ordinare in ordine di acidità crescente i seguenti acidi carbossilici

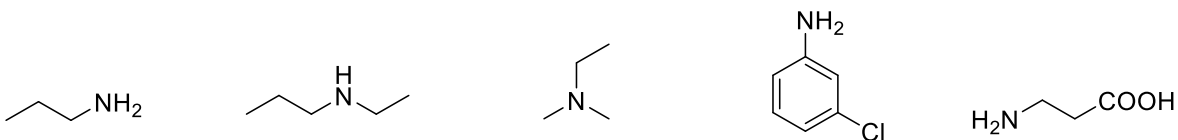


5) Scrivere i prodotti delle seguenti reazioni



11. AMMINE

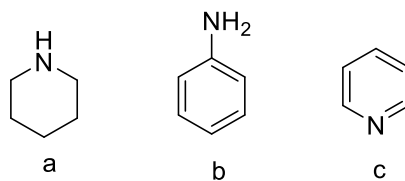
1) Assegna i nomi ai seguenti composti



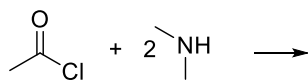
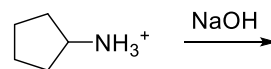
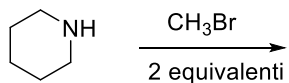
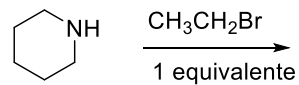
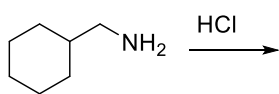
2) Disegna una formula di struttura per i seguenti composti:

- a) Butilammina b) 2-Metilpiridina c) *p*-Nitroanilina
d) Cicloesilammina e) Trimetilammina f) *N*-Metilciclopentilammina

3) Ordina in ordine di basicità crescente i seguenti composti.

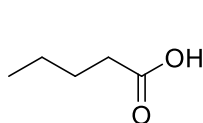


4) Scrivere i prodotti delle seguenti reazioni

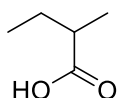


10. ACIDI CARBOSSILICI E DERIVATI - SOLUZIONI

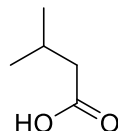
1) Assegna il nome e disegna la formula di struttura dei quattro acidi carbossilici di formula molecolare $C_5H_{10}O_2$. Quale è chirale?



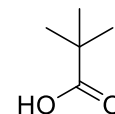
acido pentanoico



acido 2-metilbutanoico
chirale

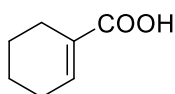


acido 3-metilbutanoico

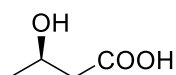


acido 2,2-dimetilpropanoico

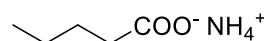
2) Assegna i nomi ai seguenti composti assegnando anche la stereochimica.



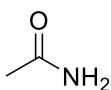
acido 1-cicloesencarbossilico



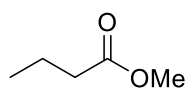
acido (S)-3-butanoico



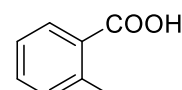
pentanoato di ammonio



acetammide



butanoato di metile



acido o-metilbenzoico

3) Disegna una formula di struttura per i seguenti composti:

a) Acido fenilacetico

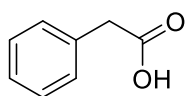
b) Acido 4-clorobutanoico

c) Acido 2-ossocicloesancarbossilico

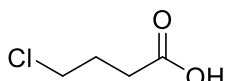
d) Acetato di metile

e) Butanammide

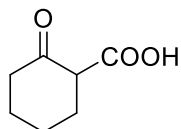
f) Acido p-iodobenzoico



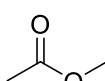
a



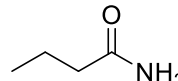
b



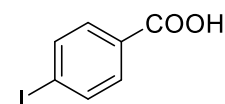
c



d

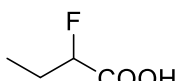


e

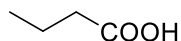


g

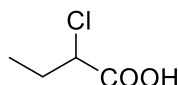
4) Ordinare in ordine di acidità crescente i seguenti acidi carbossilici



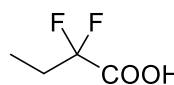
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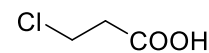
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c



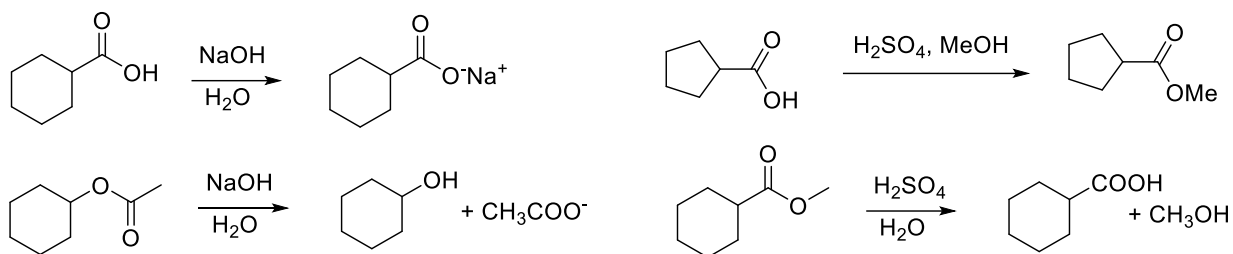
d



e

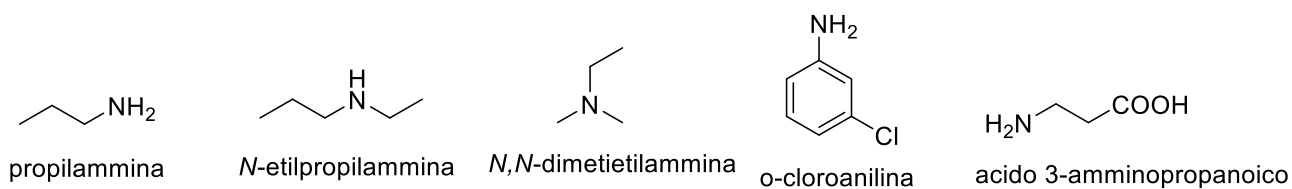
$b < e < c < a < d$

5) Scrivere i prodotti delle seguenti reazioni



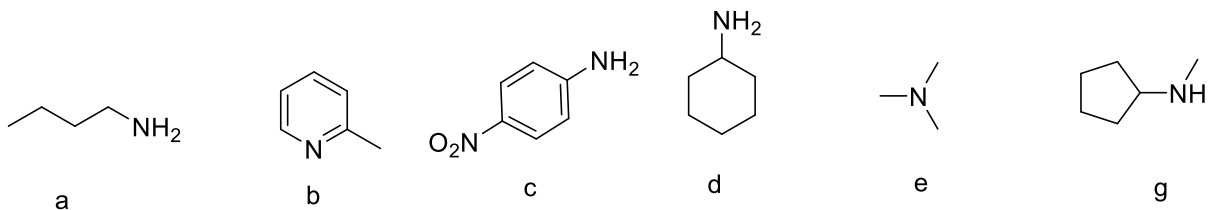
11. AMMINE - SOLUZIONI

1) Assegna i nomi ai seguenti composti

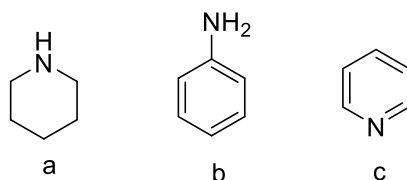


2) Disegna una formula di struttura per i seguenti composti:

- a) Butilammina b) 2-Metilpiridina c) *p*-Nitroanilina
 d) Cicloesilammina e) Trimetilammina f) *N*-Metilciclopentilammina



3) Ordina in ordine di basicità crescente i seguenti composti.



$b < c < a$

4) Scrivere i prodotti delle seguenti reazioni

