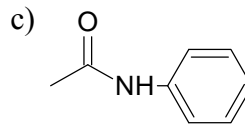
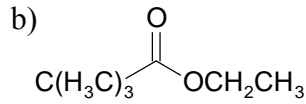
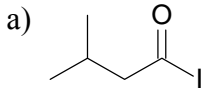


Lista 14. Pochodne kwasów karboksylowych.

1. Nazwij lub narysuj poniższe związki:



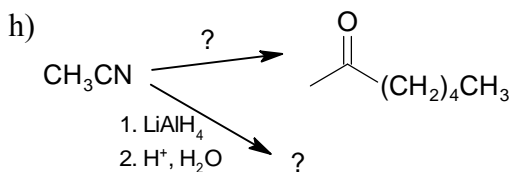
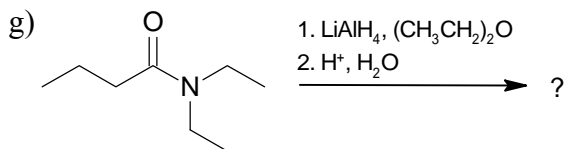
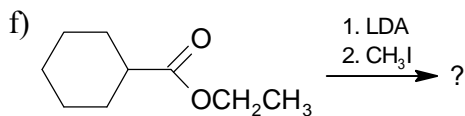
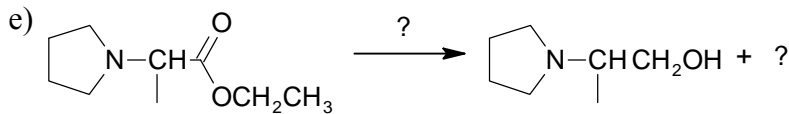
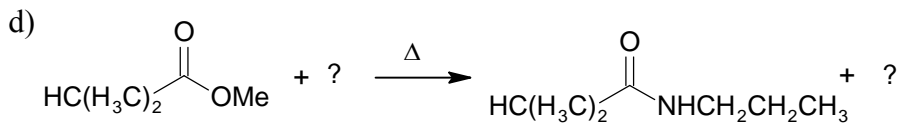
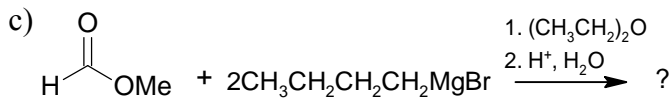
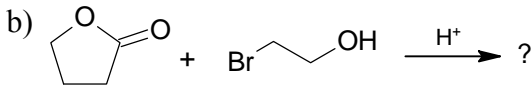
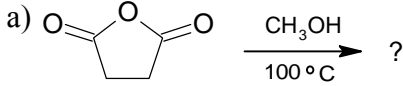
d) *N,N*-dimetylobenzamid e) cyklopentanokarbonitryl

2. Podaj produkty hydrolizy chlorku acetylu, benzamidu, bezwodnika octowego, mrówczanu etylu i acetonitrylu.

3. Podaj produkty reakcji chlorku propanoilu z następującymi odczynnikami:

a) $CH_3CH_2CH_2OH$ b) $[(CH_3)_2C=CH]_2CuLi$ c) $LiAl[OC(CH_3)_3]_3H$ d) CH_3NH_2

4. Uzupełnij poniższe reakcje:



5. Podaj mechanizm przegrupowania Hofmanna dla reakcji:

