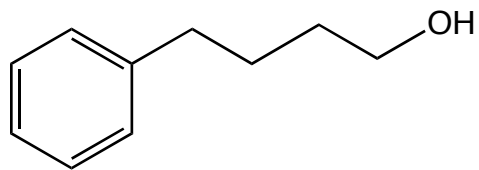


Name \_\_\_\_\_

4) (15 points) Using equations, outline a synthesis of the following compound from benzene and organic reagents of three or fewer carbons and any needed inorganic reagents.



5) (10 points) Provide structures consistent with the following names.

a) 1-methylbicyclo[2.2.0]hex-2-ene

b) benzophenone

c) p-chloroanisole

d) indole

e) purine