

# Final Report

2020. 12. 13.

Please submit the "Final Report" by 18 Dec.

1. Draw structures corresponding to the following names:

- Bromoacetone
- (S)-2-Hydroxypropanal
- 2-Methyl-3-heptanone
- (2S,3R)-2,3,4-Trihydroxybutanal
- 2,2,4,4-Tetramethyl-3-pentanone
- 4-Methyl-3-penten-2-one
- Butanedial
- 3-Phenyl-2-propenal
- 6,6-Dimethyl-2,4-cyclohexadienone
- p*-Nitroacetophenone

2. How would you prepare the following substances from 2-cyclohexenone? More than one step may be needed.

- Cyclohexene
- 3-Phenylcyclohexanone
- 3-Oxocyclohexanecarboxylic acid
- Methylcyclohexane

3. Predict the product(s) of the following reactions:

