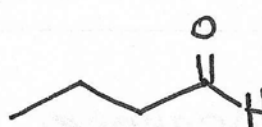

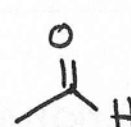
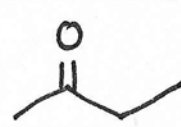
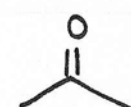
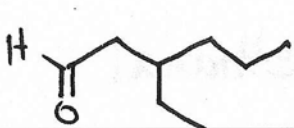
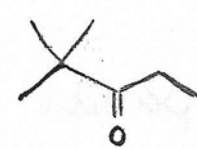
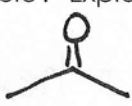


Name	Structure	Condensed Formula
butanal		$\text{CH}_3\text{CH}_2\text{CH}_2\text{CHO}$
heptanal		$\text{CH}_3(\text{CH}_2)_5\text{CHO}$
Ethanal		CH_3CHO
2-butanone		$\text{CH}_3\text{COCH}_2\text{CH}_3$
2-propanone		CH_3COCH_3
3-ethylhexanal		$\text{CHOCH}_2\text{CH}(\text{CH}_2\text{CH}_3) - (\text{CH}_2)_2\text{CH}_3$
2,2-dimethyl-3-pentanone		$\text{CH}_3\text{C}(\text{CH}_3)_2\text{COCH}_2\text{CH}_3$

1. What is the smallest ketone possible? Explain.

propanone 

2. Determine the errors in the following names and give the correct name

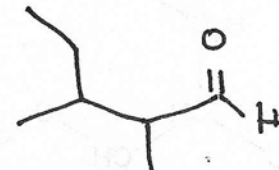
a. 1-butanone

← makes it an aldehyde

b. 3-pentanal

← makes it a ketone

c. 3-ethyl-2-methylbutanal


longest carbon chain is pent