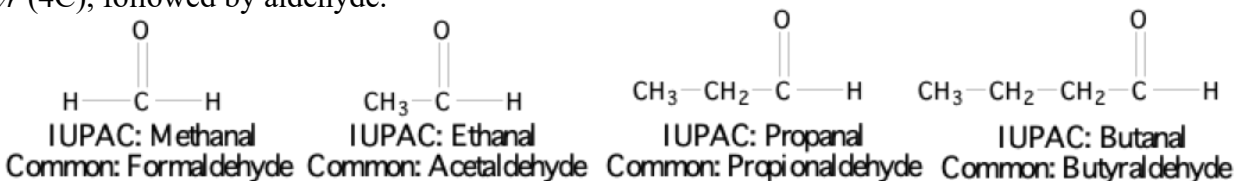
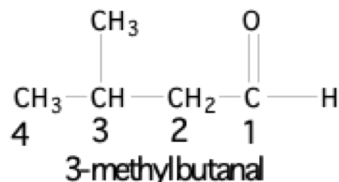


Naming Aldehydes – Chem 30B

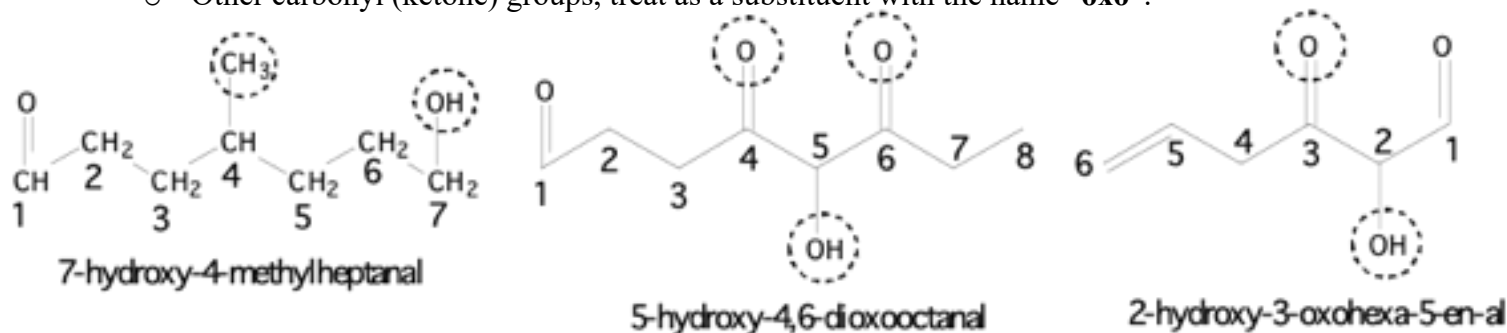
- In the IUPAC system we use the *-al* ending.
- Give the common name for the first four aldehydes: Use the prefixes *form* (1C), *acet* (2C), *propion* (3C), and *butyr* (4C), followed by aldehyde.



- Give position 1 to the carbonyl carbon.

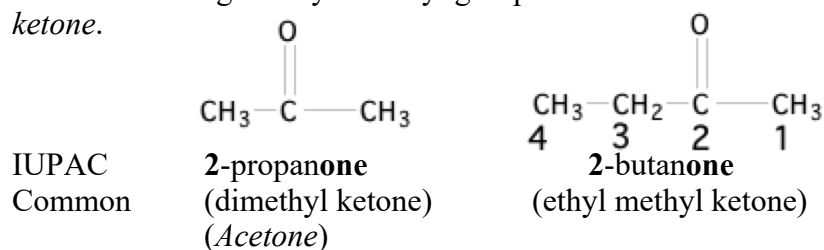


- If in the same molecule you find:
 - OH groups, treat them as substituents with the name “**hydroxy**”.
 - Other carbonyl (ketone) groups, treat as a substituent with the name “**oxo**”.



Naming Ketones

- In the IUPAC system we use the *-one* ending.
- The carbonyl carbon is indicated by a number.
- Common name given by the alkyl groups attached to the carbonyl group (alphabetical order) followed by *ketone*.



- Again, treat –OH groups as substituents: “hydroxy”.

