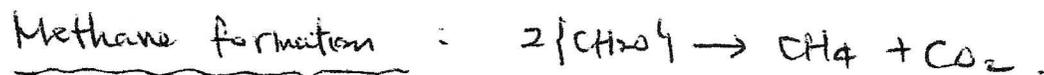
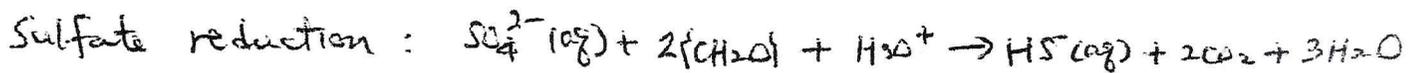
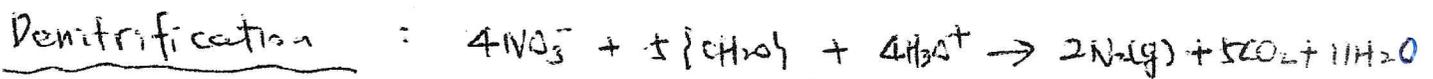
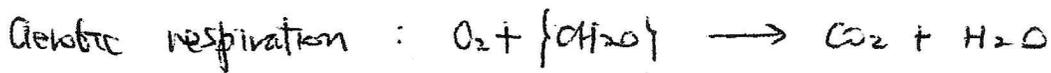
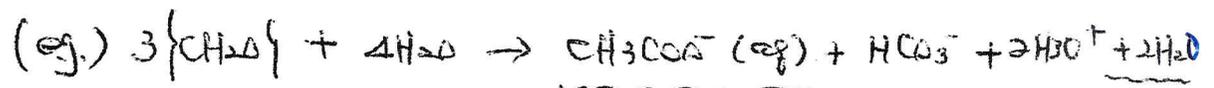


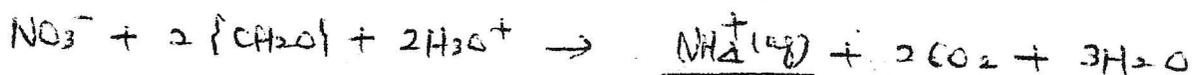
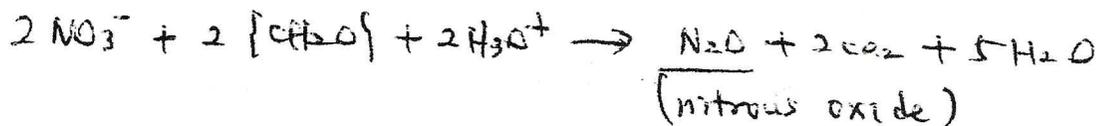
# < Respiration >



↳ incomplete rxn ( $\Rightarrow$  called fermentation).



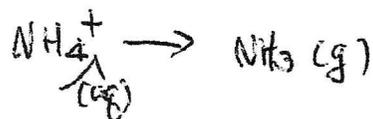
products of fermentation  
( $H_2$  and org. acids).



↳ cell biomass (or org. matter) synthesis.

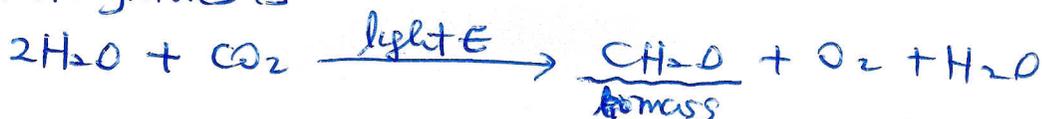
$\Rightarrow$  called "assimilatory denitrification"

Under alkaline condition,



$\Rightarrow$  called dissimilatory denitrification

\* photosynthesis



$\Delta G = +115 \text{ Kcal/mol}$

