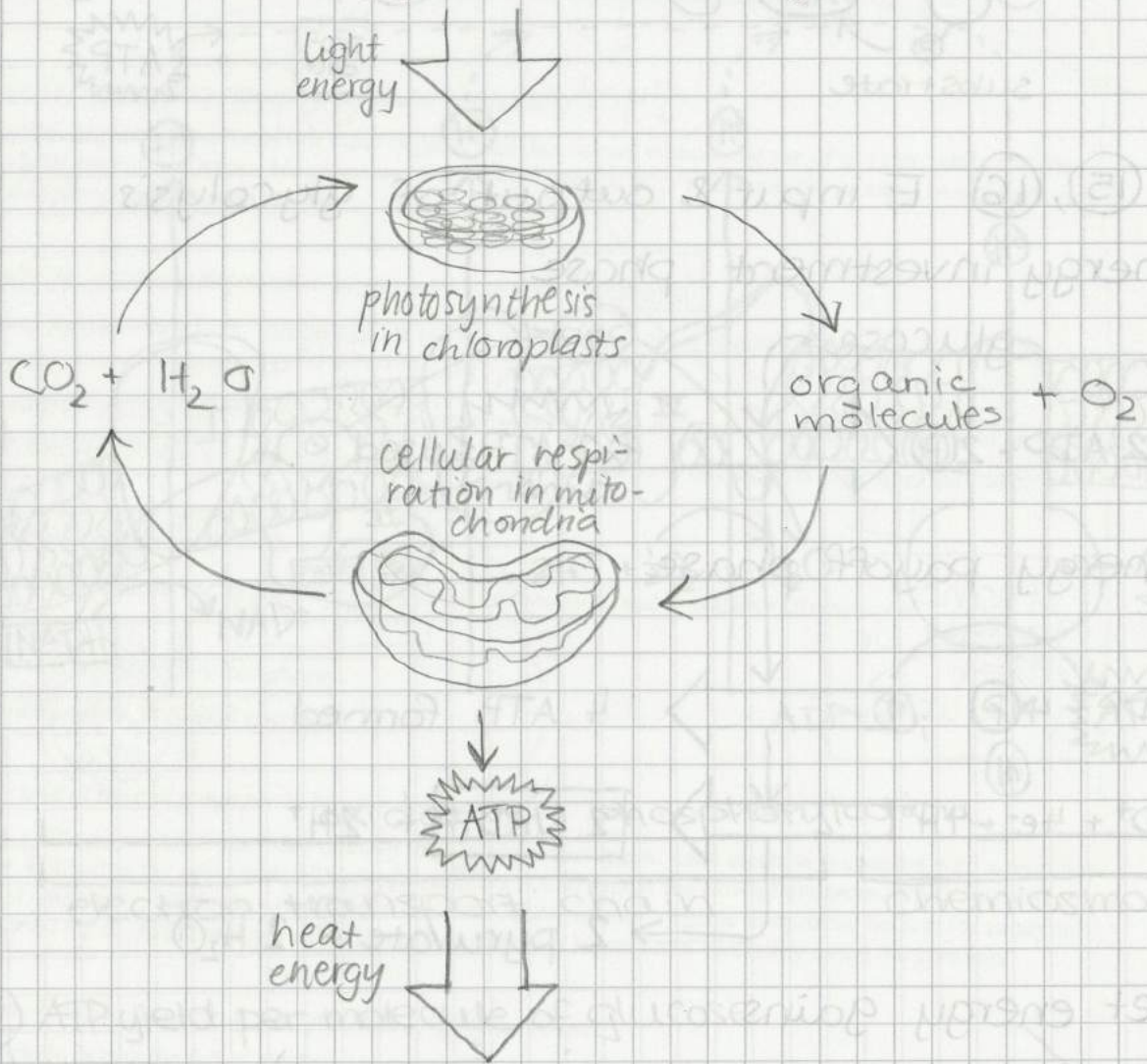


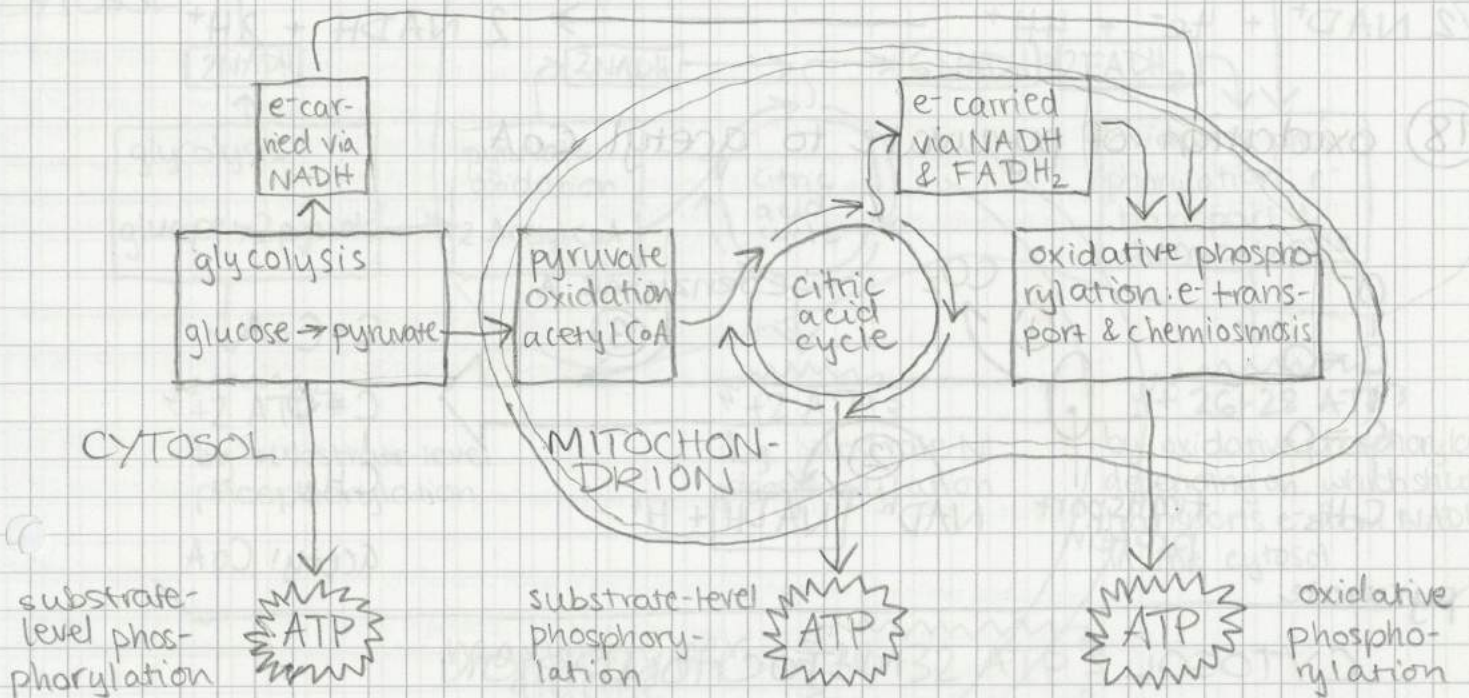
CHAPTER 9: CELLULAR RESPIRATION AND FERMENTATION

Keller 12d

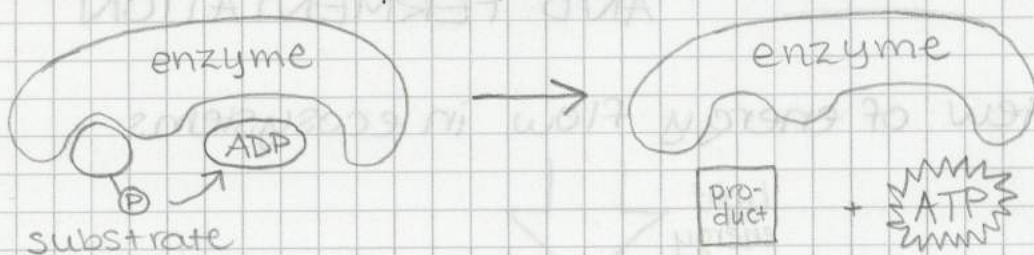
Overview of energy flow in ecosystems



9) overview of cellular respiration

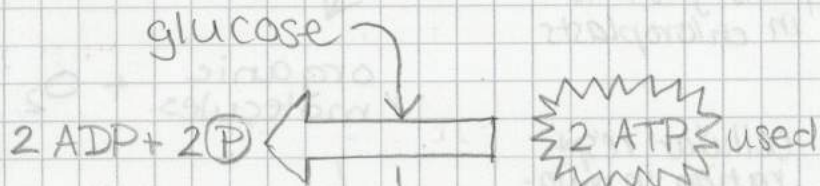


⑪ substrate-level phosphorylation

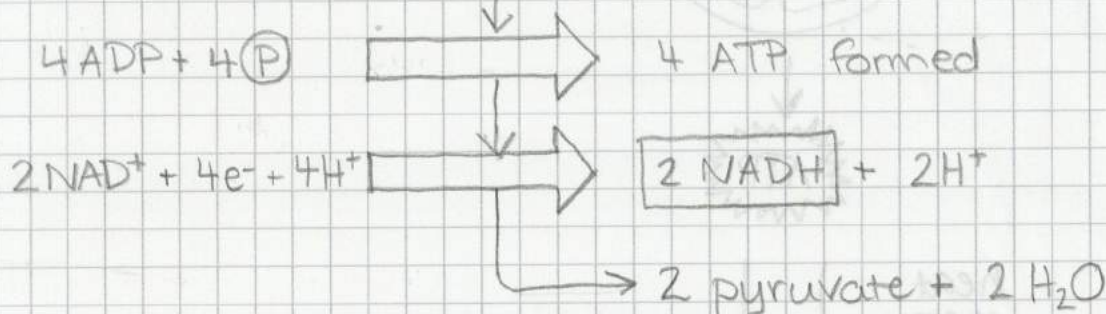


⑭, ⑮, ⑯ E input & output of glycolysis

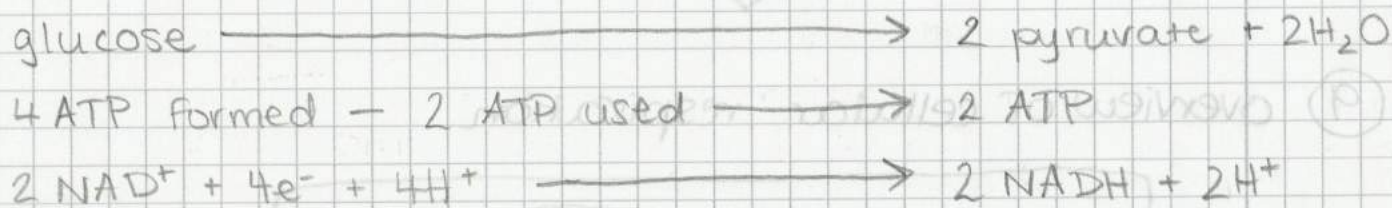
A: energy investment phase



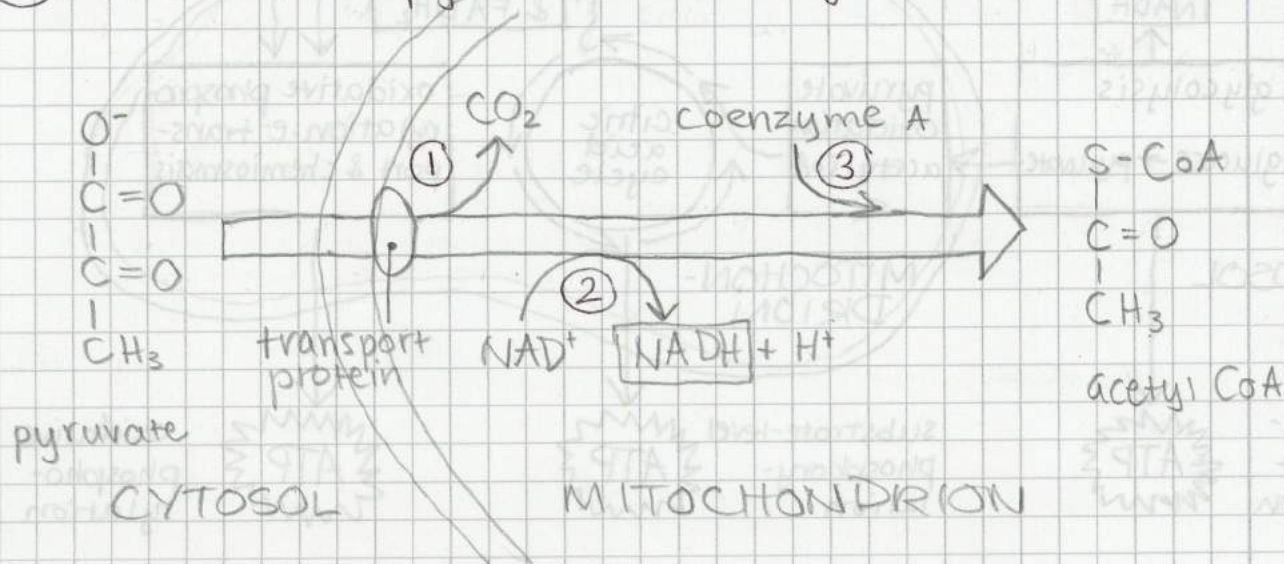
B: energy payoff phase



C: net energy gains



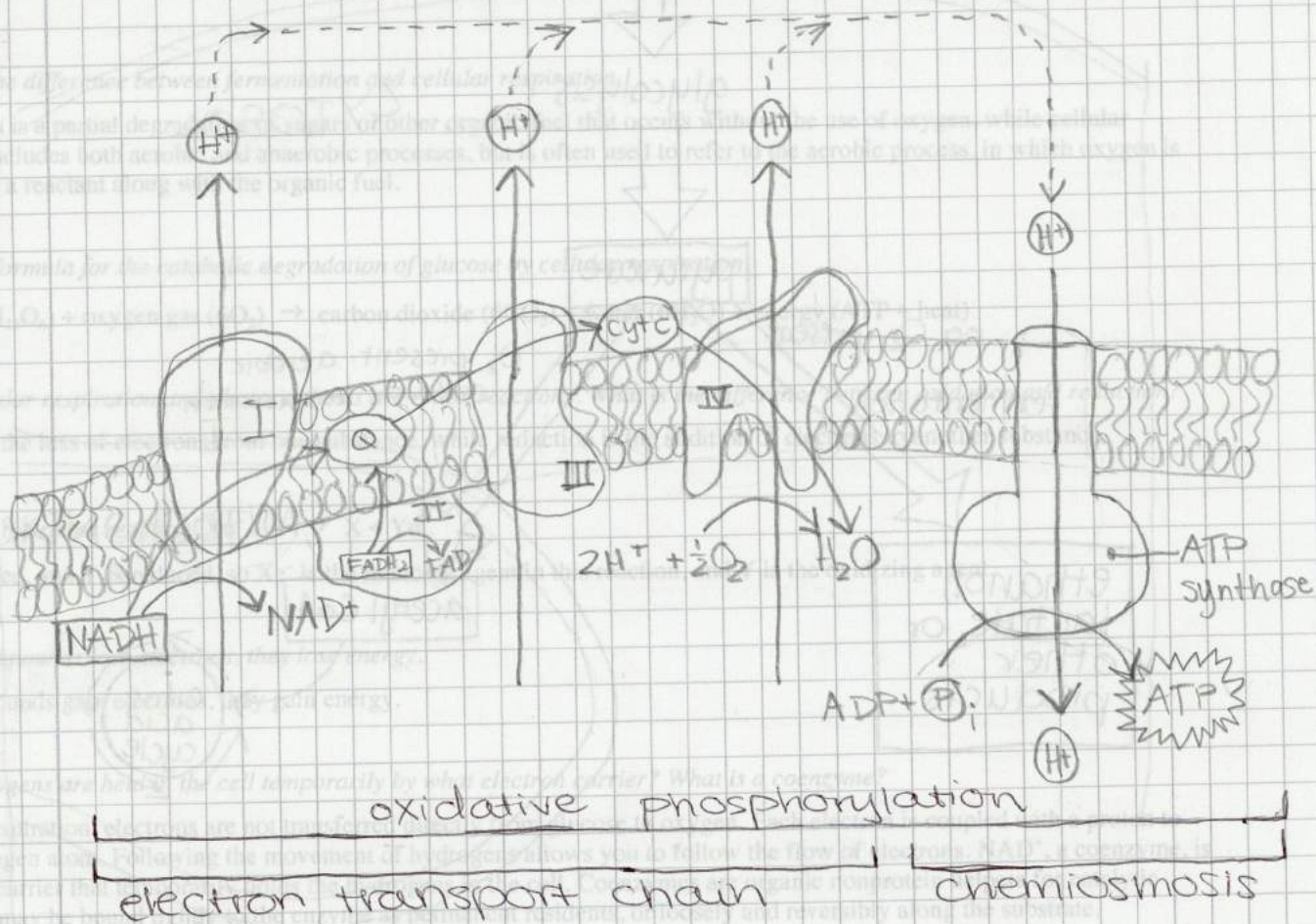
⑱ oxidation of pyruvate to acetyl CoA



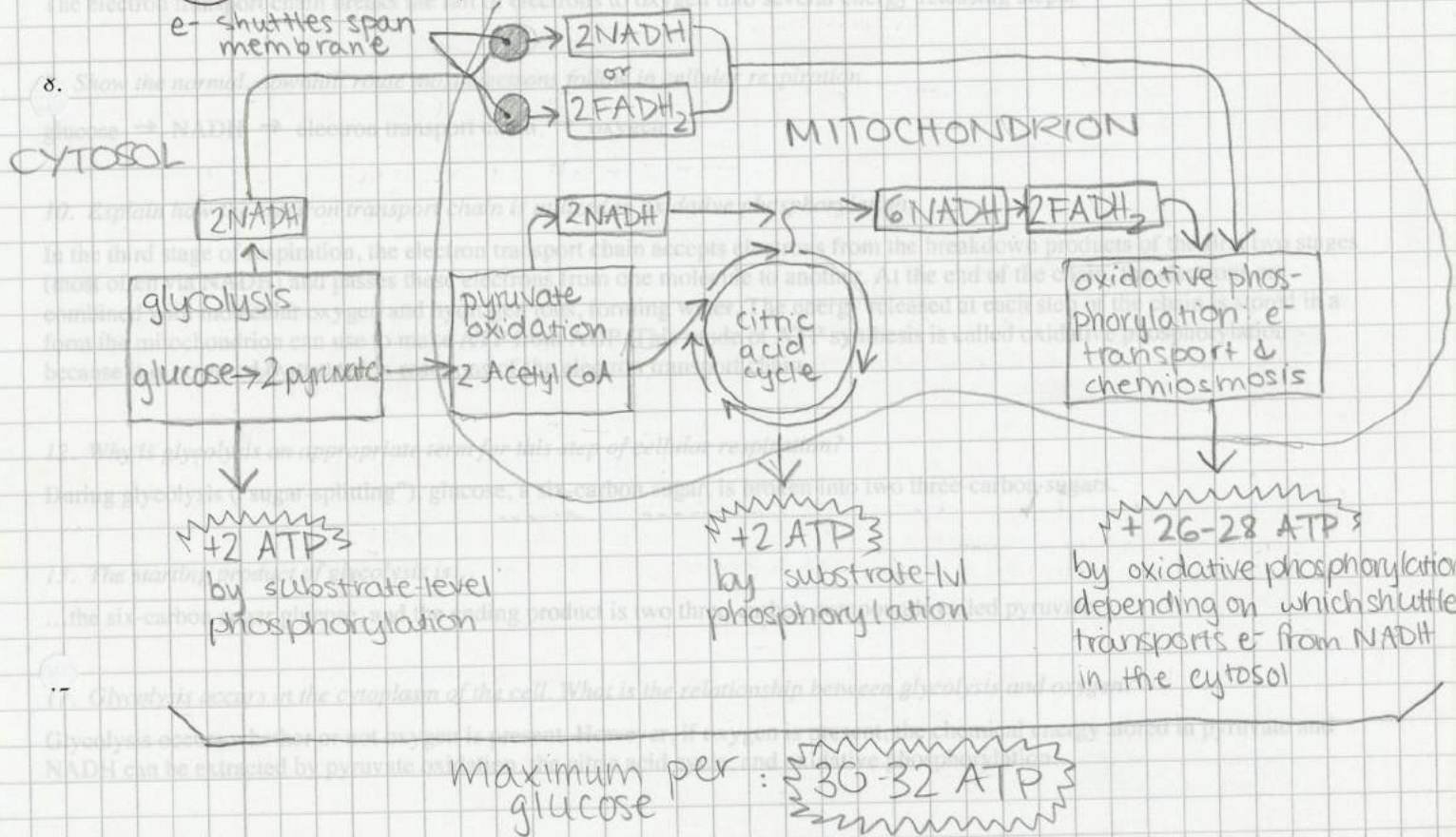
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30 chemiosmosis couples the electron transport chain to ATP synthesis



32 ATP yield per molecule of glucose



38) pyruvate is a key juncture in metabolism

