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# Cellular Respiration

- I. Cellular respiration
  - a. Compare/contrast aerobic and anaerobic respiration
  - b. What is fermentation
  - c. What is redox?
  - d. What is oxidized? Reduced?
  - e. What is NADH? How is it made?
  - f. Compare/contrast oxidative phosphorylation with substrate-level phosphorylation
  - g. Outline: glycolysis; Krebs's cycle; and electron transport chain; know the reactants and products of each
  - h. How many ATP are produced in glycolysis? Krebs's? ETC?
  - i. What are cytochromes and describe their importance
  - j. What is the proton motive force?
  - k. Describe the significance of alcoholic and lactic acid fermentation.
  - l. Describe the evolutionary significance of glycolysis