what is high energy compound? why ATP is a high energy compour? b) Deservibe the dibberrence between heterotrophs and autotrophs.

c) what in metabolism and metabolites? write down basic characteristics

of metabolic patheway.

) what is alut? Write down dibbenent types of alut with their location and function.

) why glucose phosphoreylation is very important for earthonly drete metabolinn?

Justiby that fluoride in an inhibitor ob elycolysis.

Describe the mechanism that regulates phosphotriuetokinane - activity.

estrite down the mechanism of acetyl - coA formation

TCA eyele is the metabolic heb- Enplain.

Outline the meaction ob pentose phosphate pathway coly pentose phosphate patheray so important of med. rod cellon

corrite short notet on tollowing.

Regulation of gluco neogenessis.

alyeo general.

(in only co jerioly nis.

- Discuss the roote of biotin in gluconeogeness
- Briefly describe the multienzeme complen which involved in the electron carrietes of the respirator, chain.
- Explain with enamples how kneouples and inhibitory sect on oridative phosphorylation.
- ) Desertibe the biochemical courses ob the bollwing disean.
  - i) Hemolytic anemia (ii) Hypoglyaemia (ii) Diabetes mellitu.
- Beseriebe the patheways involved in the Lionenthesisoh palmiticand
- ) Briebly desertibe the regulation of buffy acid onidation and reton body foremation.
- 2 avrite down the biological tanction of 176.
- ) Show the activation of bathy acid before being origine
- What are ketone bodies? evrite down the tormation of Kentome bodies toron acetyl-coa with reactions.
- Deservibe the steps in involved in cholestero)
- ) actions the mechanism of steriod horming