



Nombre de la alumna: Elva Berenice Gómez Méndez

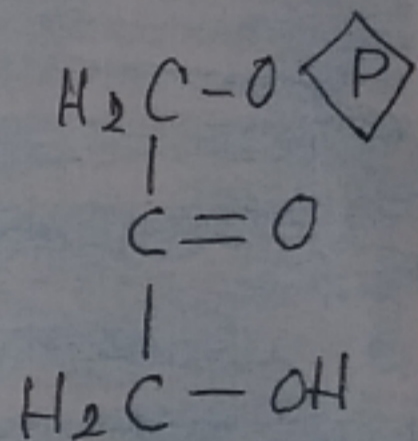
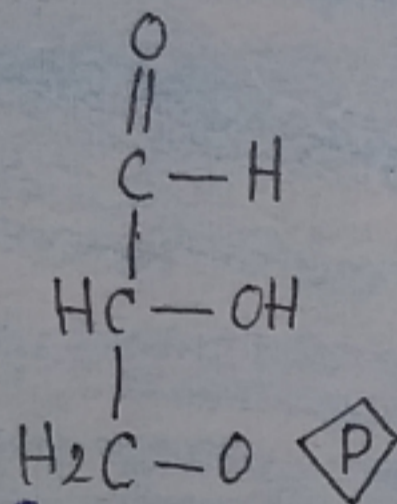
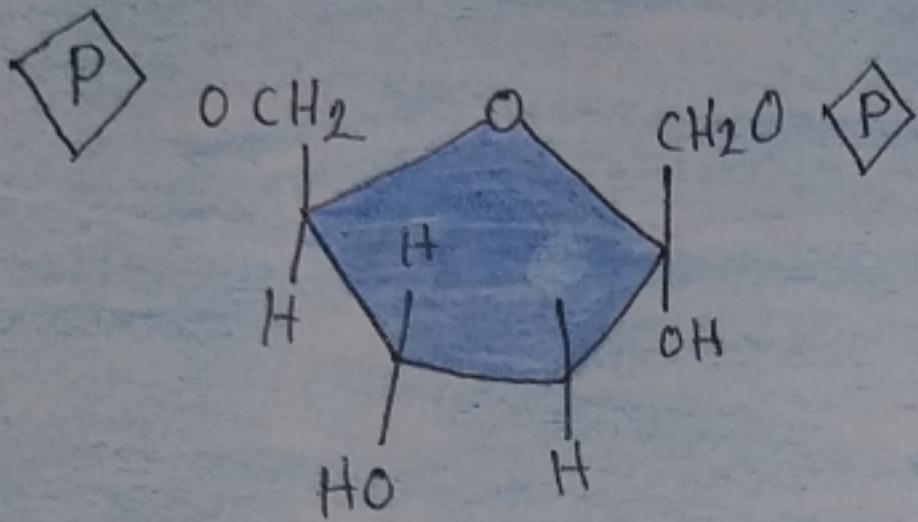
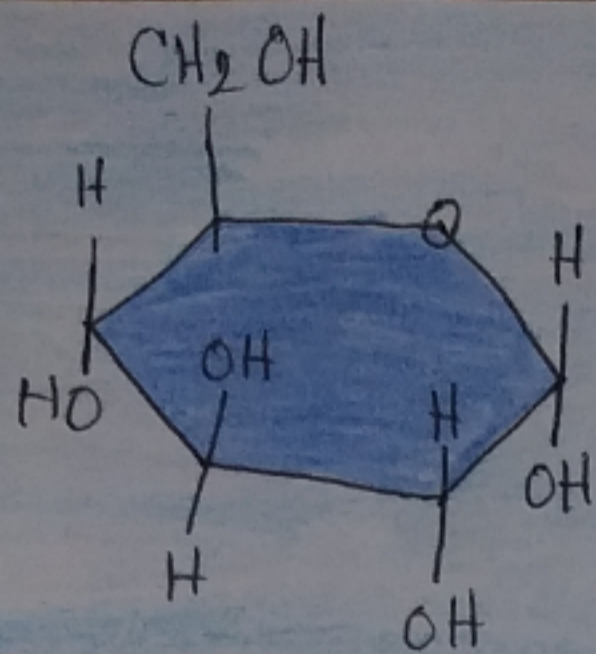
Nombre del tema: Glicólisis

Parcial: 4

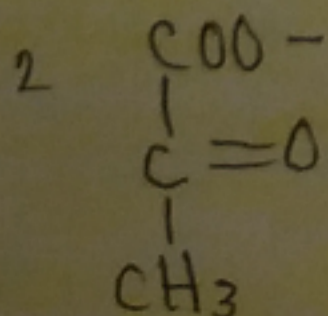
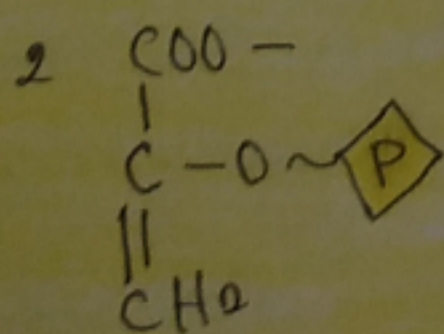
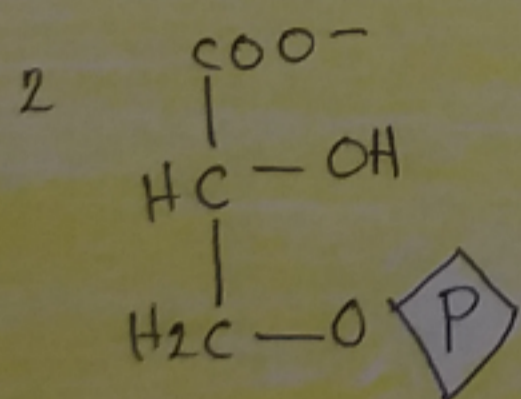
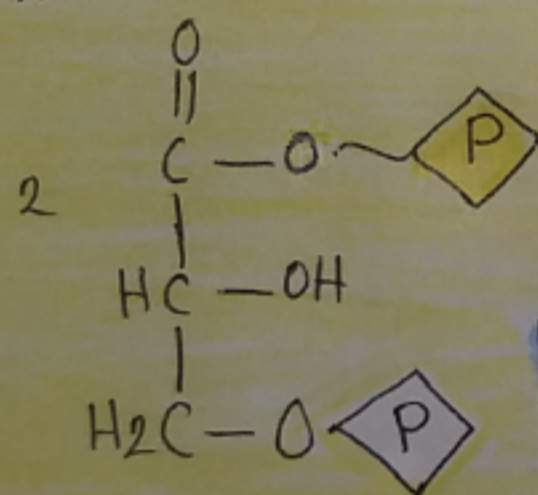
Nombre de la materia: Bioquímica I

Nombre del profesor: Abel Estrada Dichi

Nombre de la Licenciatura: Medicina Veterinaria y Zootecnia



ENERGY GENERATION PHASE



Glucose

①

②

③

Fructose 1,6-bisphosphate

④

Glyceraldehyde-3-phosphate

Reactions ①-③
Activation by phosphorylation
2 ATPs invested.

Reactions ④ and ⑤
Cleavage of six-carbon sugar
phosphate to 2 three-sugar
phosphates.

Reaction ⑥
Generation of 2 NADH and a
super-high-energy compound

Reaction ⑦
Substrate-level phosphorylation
2 ATPs generated.

Reactions ⑧ and ⑨
Generation of a super-high-
energy compound (and water).

Reaction ⑩
Substrate-level phosphorylation
2 ATPs generated

⑥

1,3-Bisphospho-
glycerate

⑦

3-Phospho-
glycerate

⑧

⑨

Phosphoenol-
pyruvate

⑩

Pyruvate

