

UNIVERSIDAD DEL SURESTE  
LICENCIATURA EN NUTRICIÓN

BIOQUÍMICA

TEMA: RUTAS METABÓLICAS

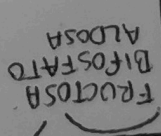
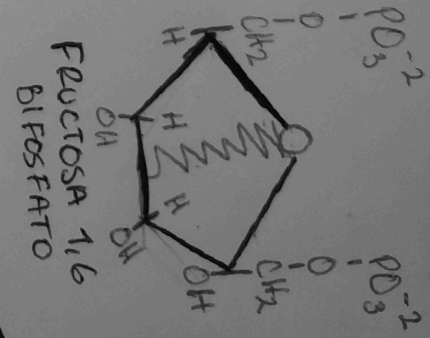
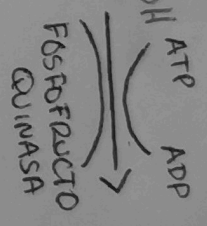
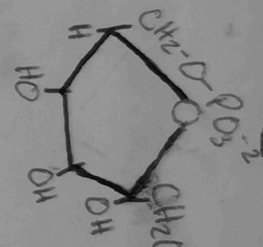
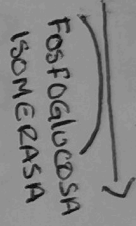
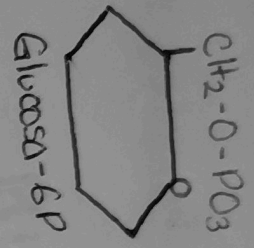
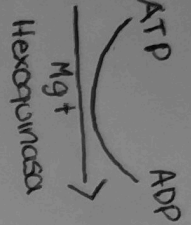
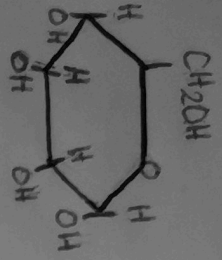
CATEDRÁTICO: YENI CANALES HERNÁNDEZ

ALUMNO: MICHELL RAMÓN BOPRALER

TAPACHULA, CHIAPAS A: 20 DE JUNIO  
DEL 2020

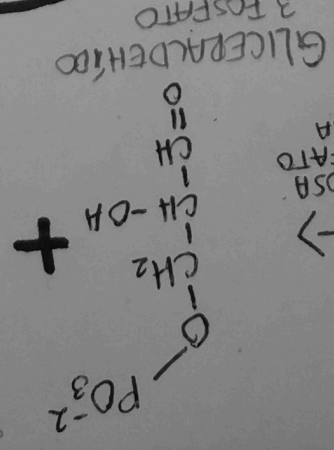
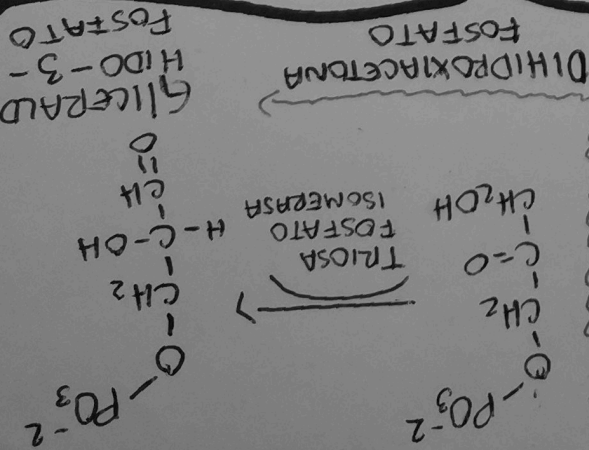
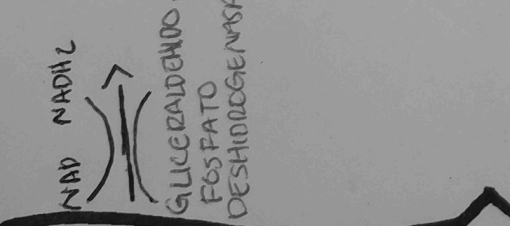
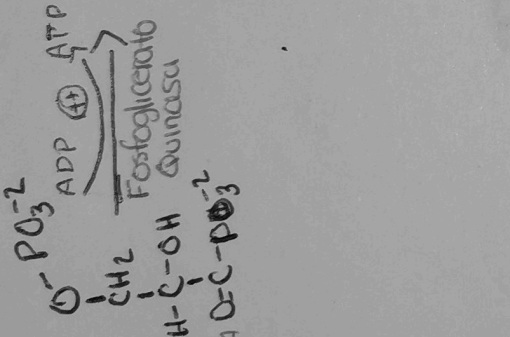
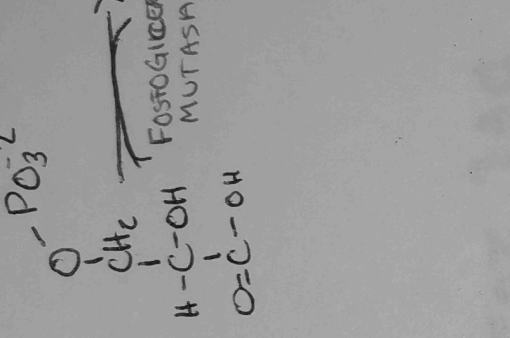
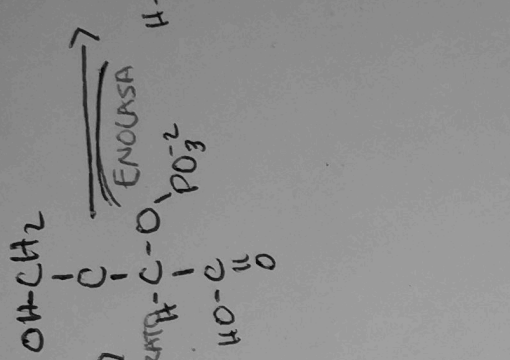
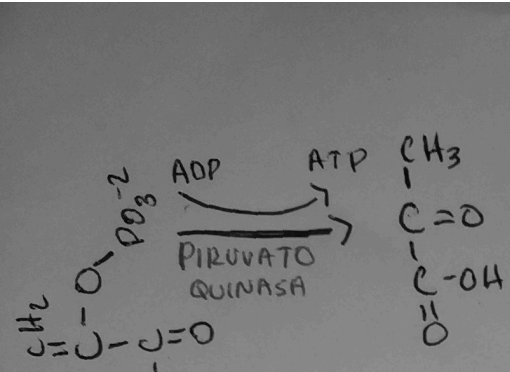
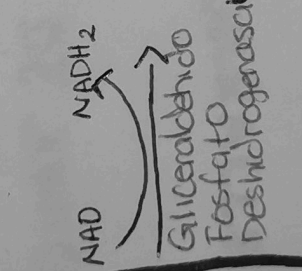
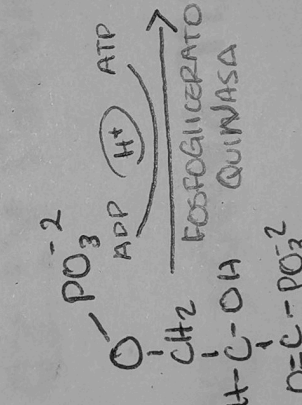
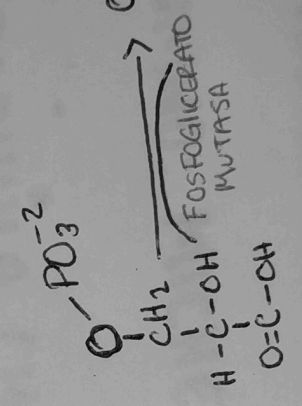
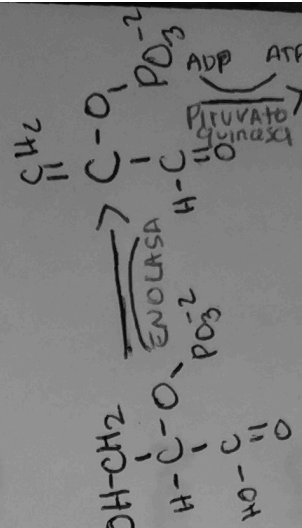
# GLUCOLISIS

1er ETAPA: GASTO DE ENERGIA



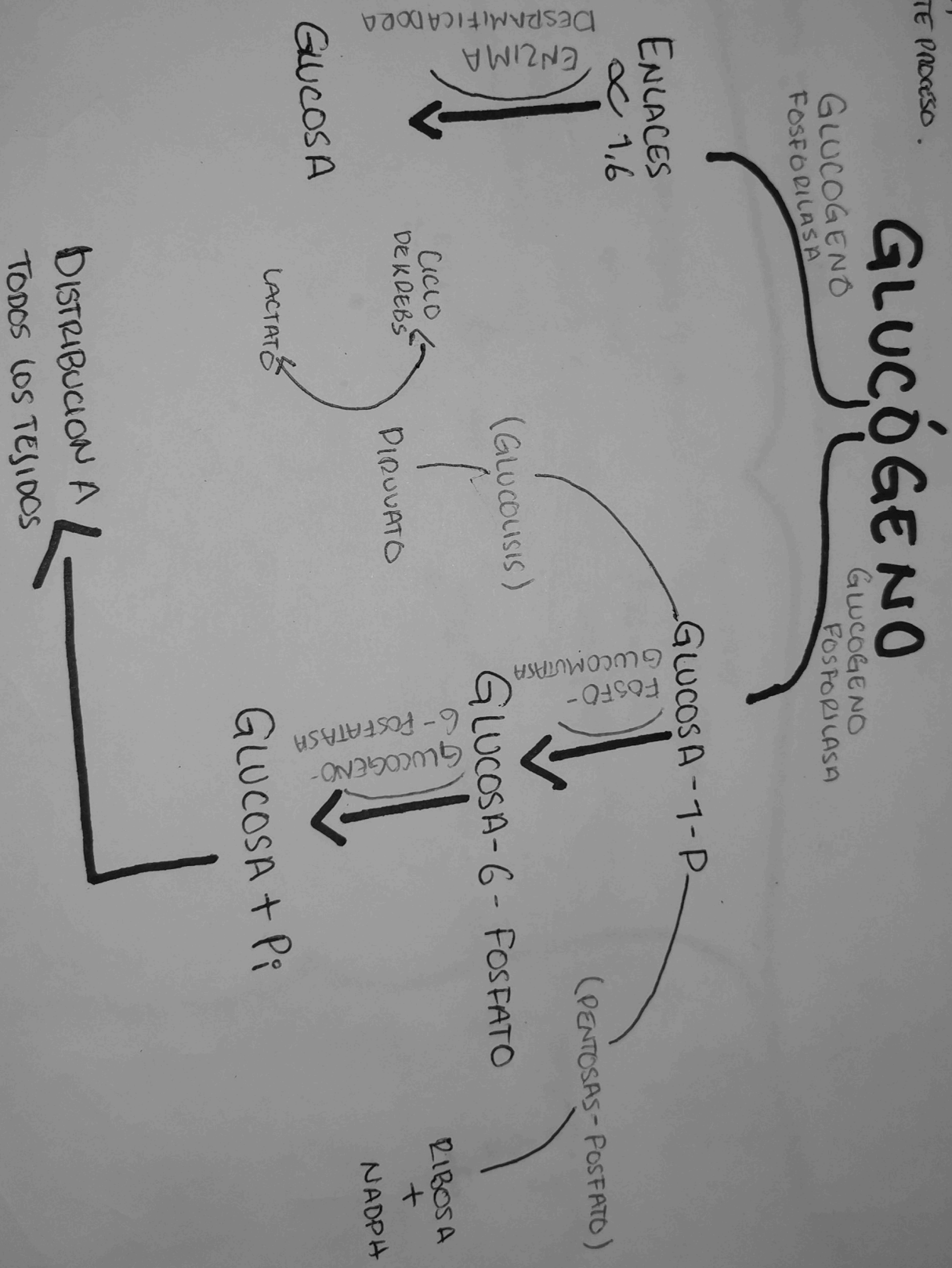
\* 1,3 bifosfo glicerato

\* 3, Fosfoglicerato



# GLUCOGENOLISIS

- \* REMOCIÓN DE UN MONOMERO DE GLUCOSA DE UNA MOLECULA DE GLUCOGENO
- \* SE PRODUCE EN EL CITOSOL
- \* ACTIVADA POR EL GLUCAGON (HARDO) Y EPINEFRINA (MUSCULO)
- \* LA INSULINA INHIBE ESTE PROCESO.



# GLUCONEOGENESIS

\* Se produce en el hígado

\* Es activado por el Glucagon

\* Inhibido por la insulina

Sustratos:

- \* lactato
  - \* Alanina
  - \* Glicerol-3-fosfato
- } Piruvato

