



Medical Committee
The University of Jordan



SLIDE



SHEET



SLIDE :

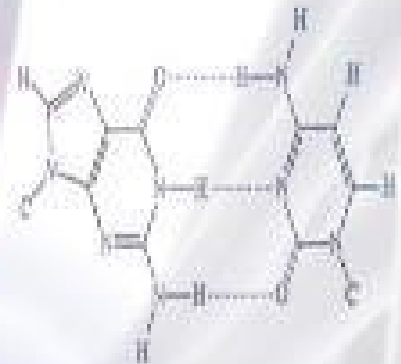
3-Glycolysis



DR.NAME:

Dr. Nayef

Biochemistry



Majida Al-Foqaraa'

Regulation of the Glycolytic Pathway

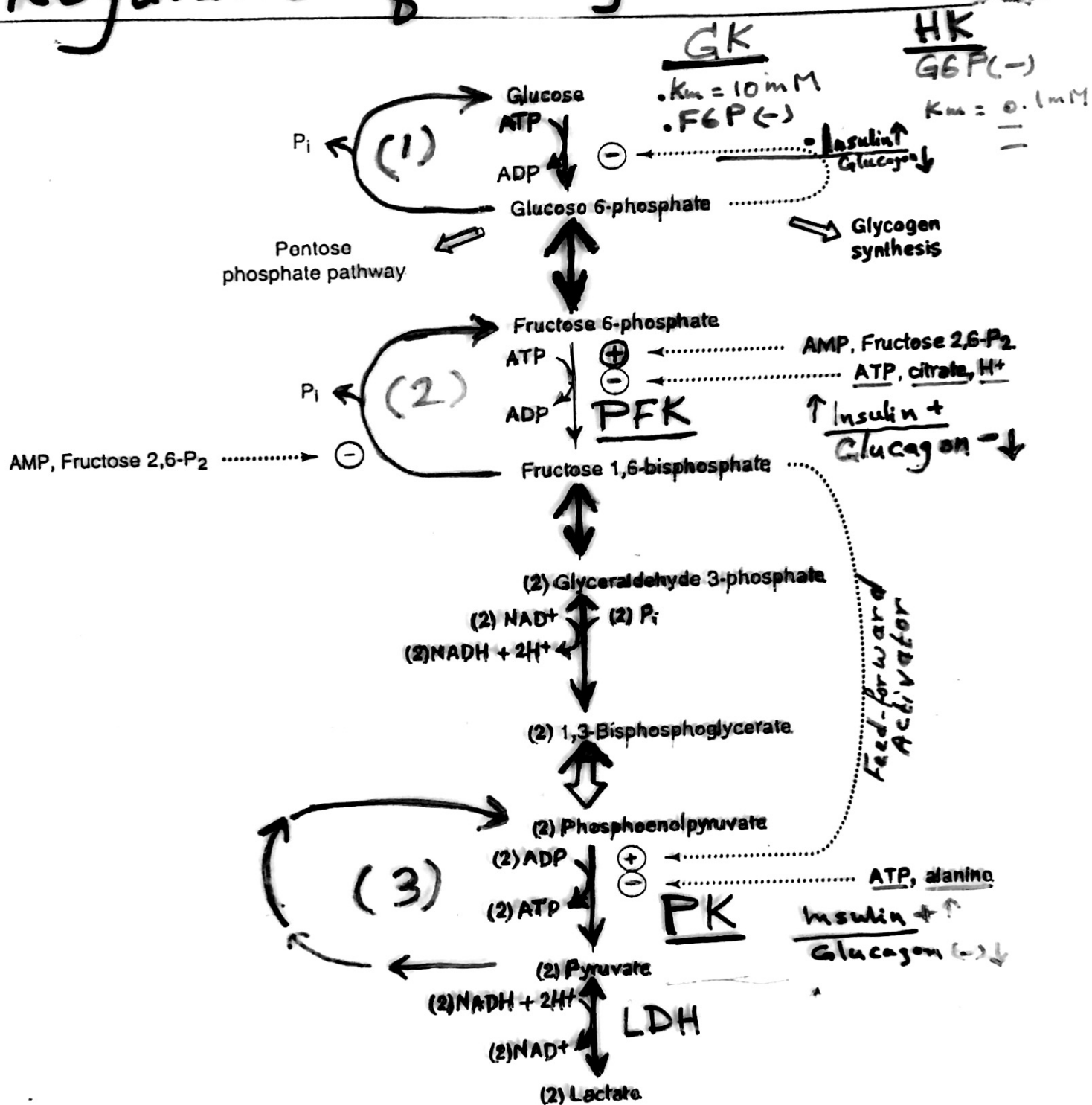
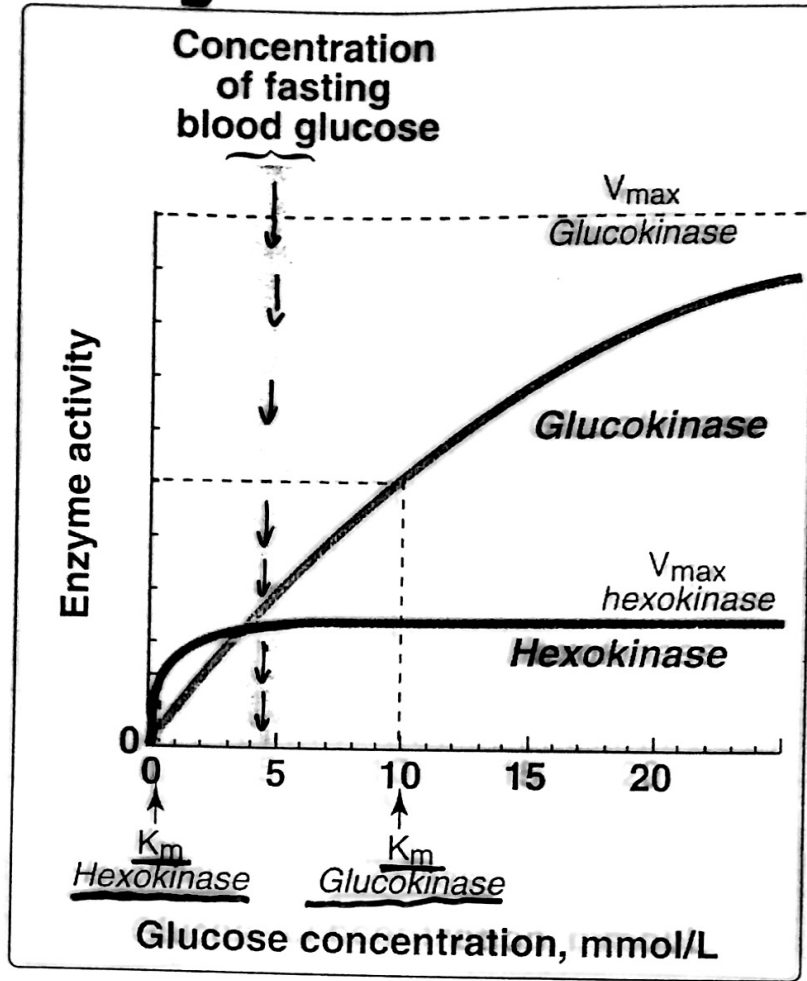


FIGURE 7.13

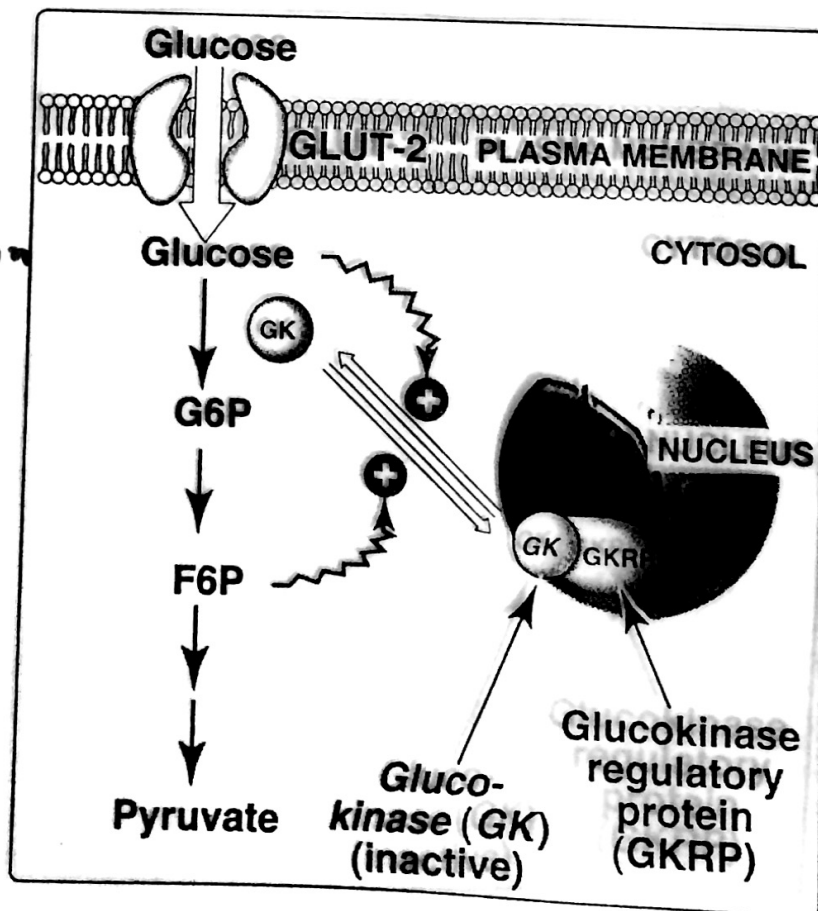
Important regulatory features of the glycolytic pathway. Because of differences in isoenzyme distribution, not all tissues of the body have all of the regulatory mechanisms shown here.

Effect of [Glucose] on HK and GK

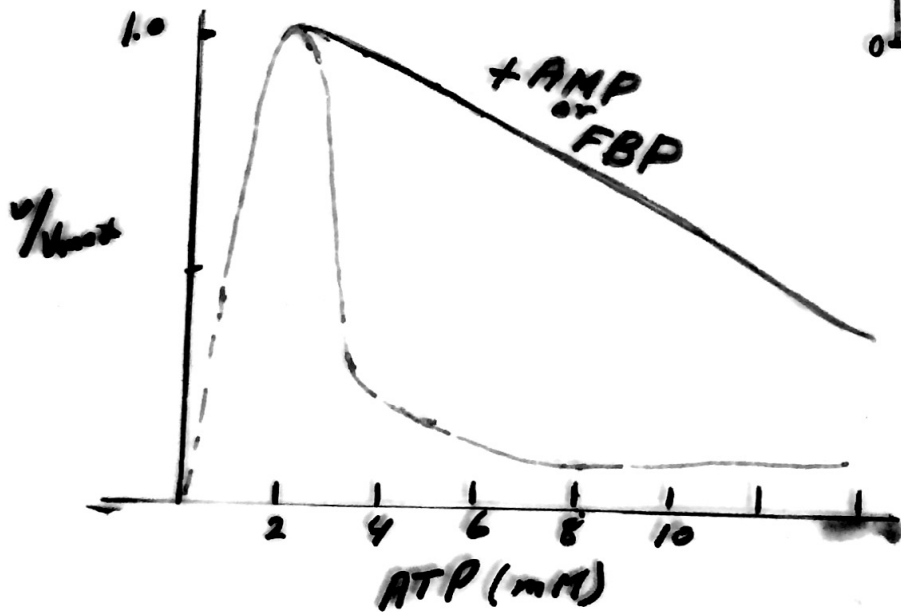
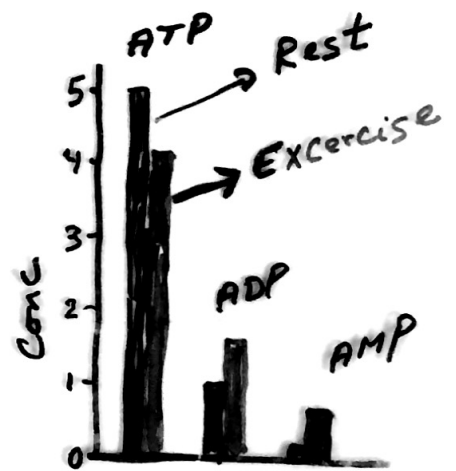
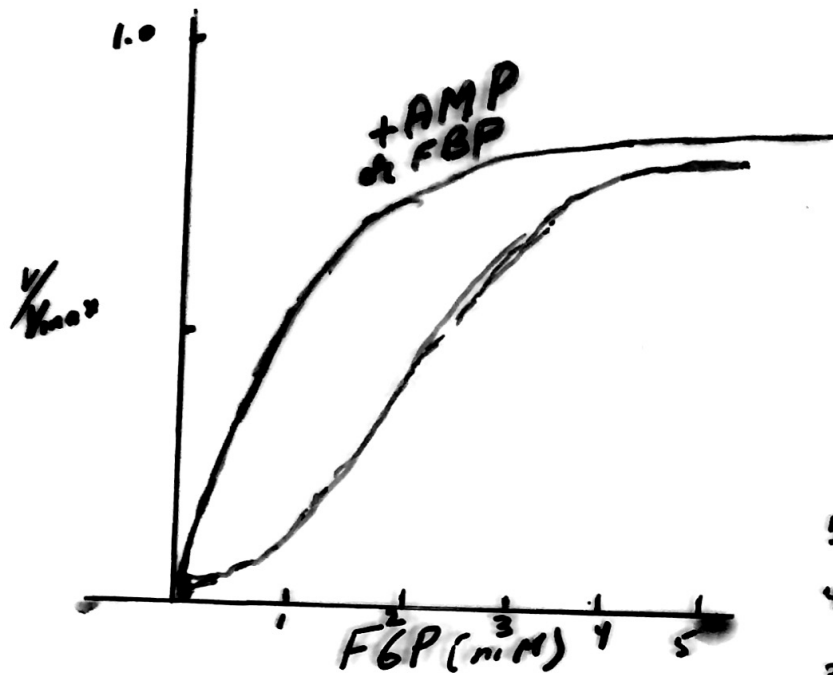


Regulation of GK by "GKRP"

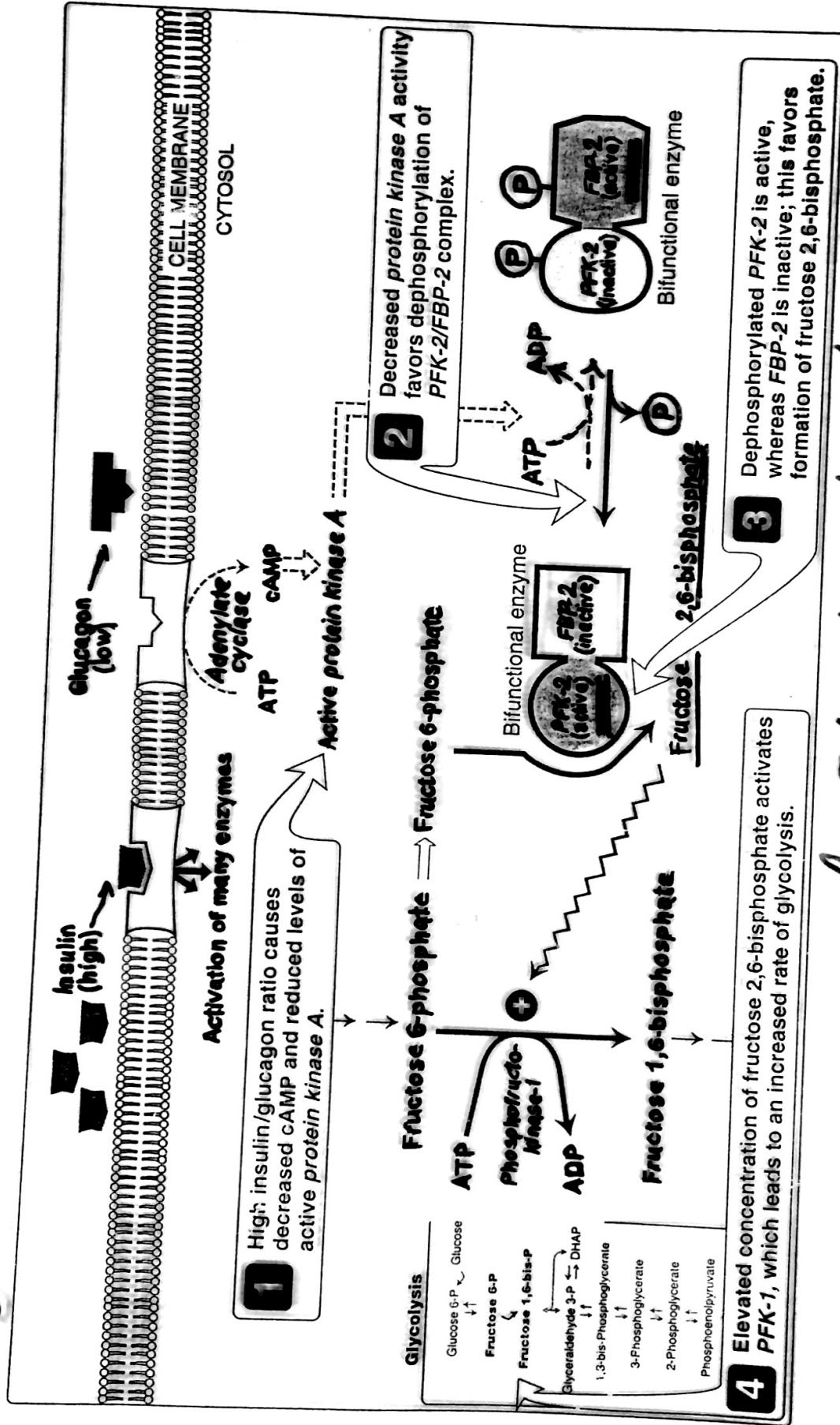
2) Insulin \rightarrow \uparrow GK transcription



Regulation of PFK by AMP and ATP



Regulation of Fru-2,6-BP Level



Regulation of PK by Phosphorylation - Dephosph.