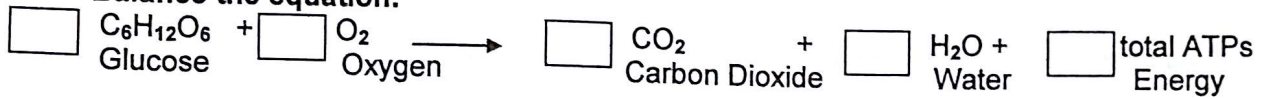


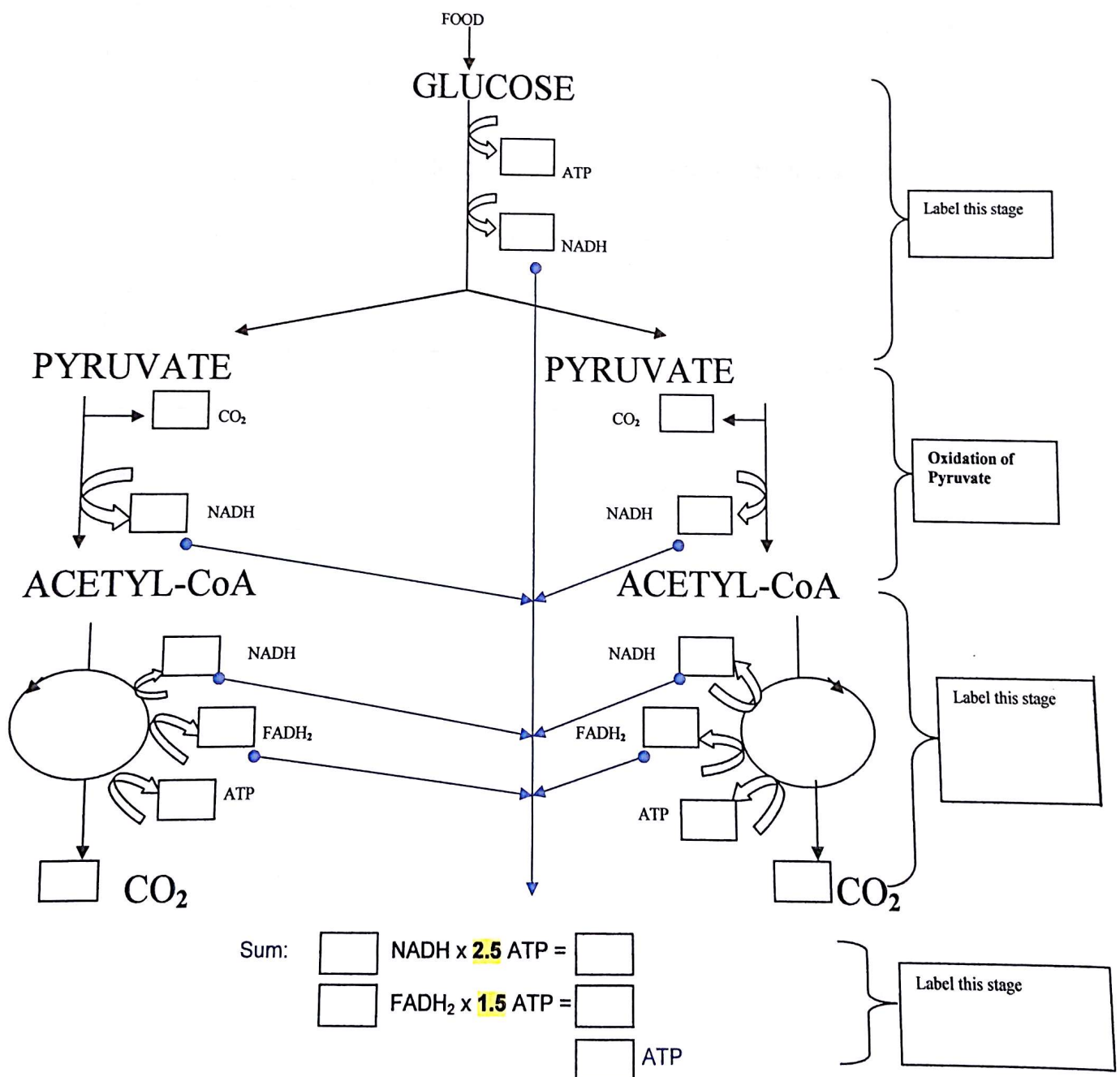
# CELLULAR RESPIRATION

Fill in all the squares and answer the questions.

**Balance the equation:**



Label the stages: **Glycolysis**, **Citric Acid Cycle** (also called the Krebs cycle), and **Oxidative Phosphorylation** (involves ETC + chemiosmosis).



ATPs made through oxidative phosphorylation	
ATPs made through substrate-level phosphorylation	
Gross (total) ATPs (if electrons are passed to NAD <sup>+</sup> shuttle)	
Which phosphorylation type (substrate-level or oxidative phosphorylation) provides more ATPs?	
How efficient is cellular respiration? % efficient = total ATP X 7.3 Kcal/686 Kcal X 100	

How many carbon atoms are there in \*one\* molecule of:

Glucose	
Pyruvate	
Acetyl	
Carbon dioxide	