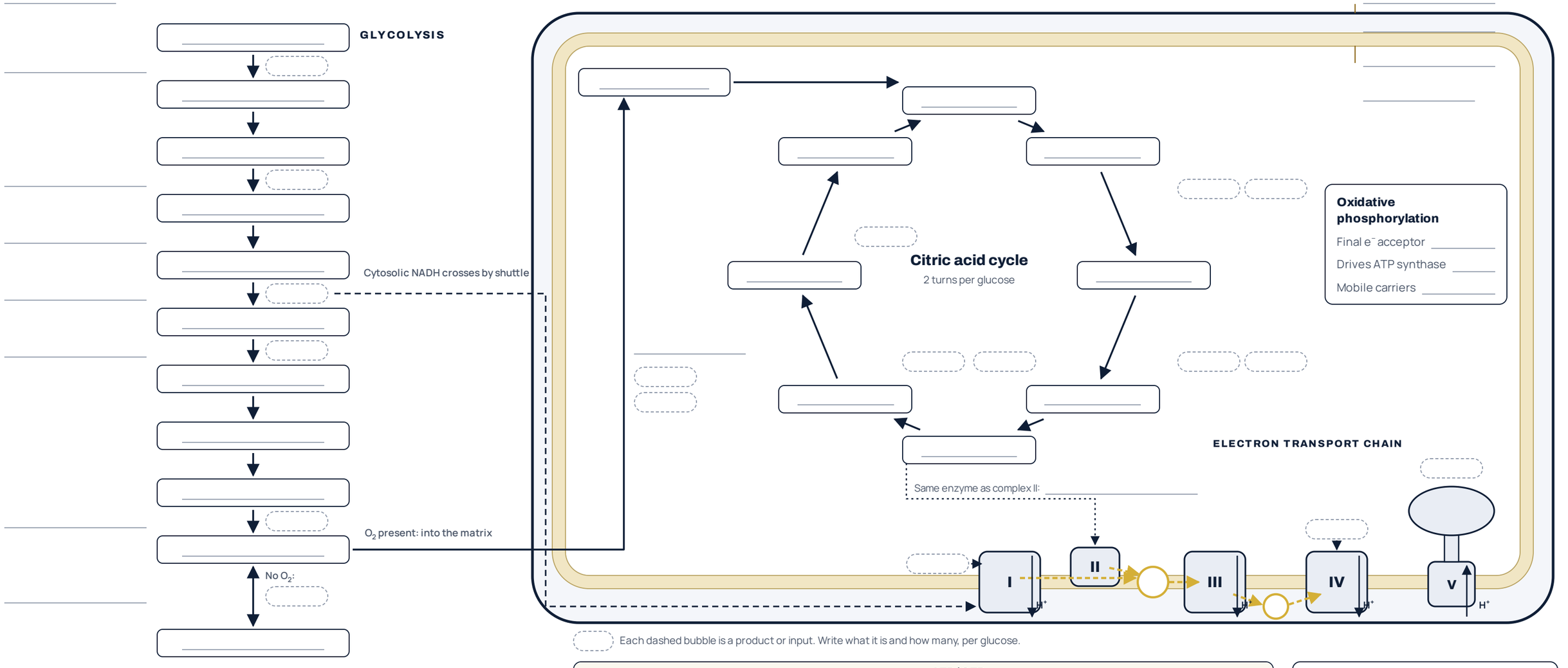
The Big Picture

SweetLion Prep

Name _____ Date _____



Each dashed bubble is a product or input. Write what it is and how many, per glucose.

Stage	Location	ATP / GTP made directly	NADH	$FADH_2$	CO_2
Glycolysis					
Pyruvate → acetyl-CoA					
Citric acid cycle (2 turns)					
Total per glucose					

Connect the pathways

Why make lactate without O_2? _____

Two NADH shuttles _____

Pyruvate's link to the TCA cycle _____

What stops if O_2 runs out? _____

Where glucose's 6 carbons end up _____

Cash it in at the ETC

NADH × 2.5 = _____

$FADH_2$ × 1.5 = _____

+ direct ATP / GTP = _____

Total _____

With G3P shuttle _____

O_2 used per glucose _____

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