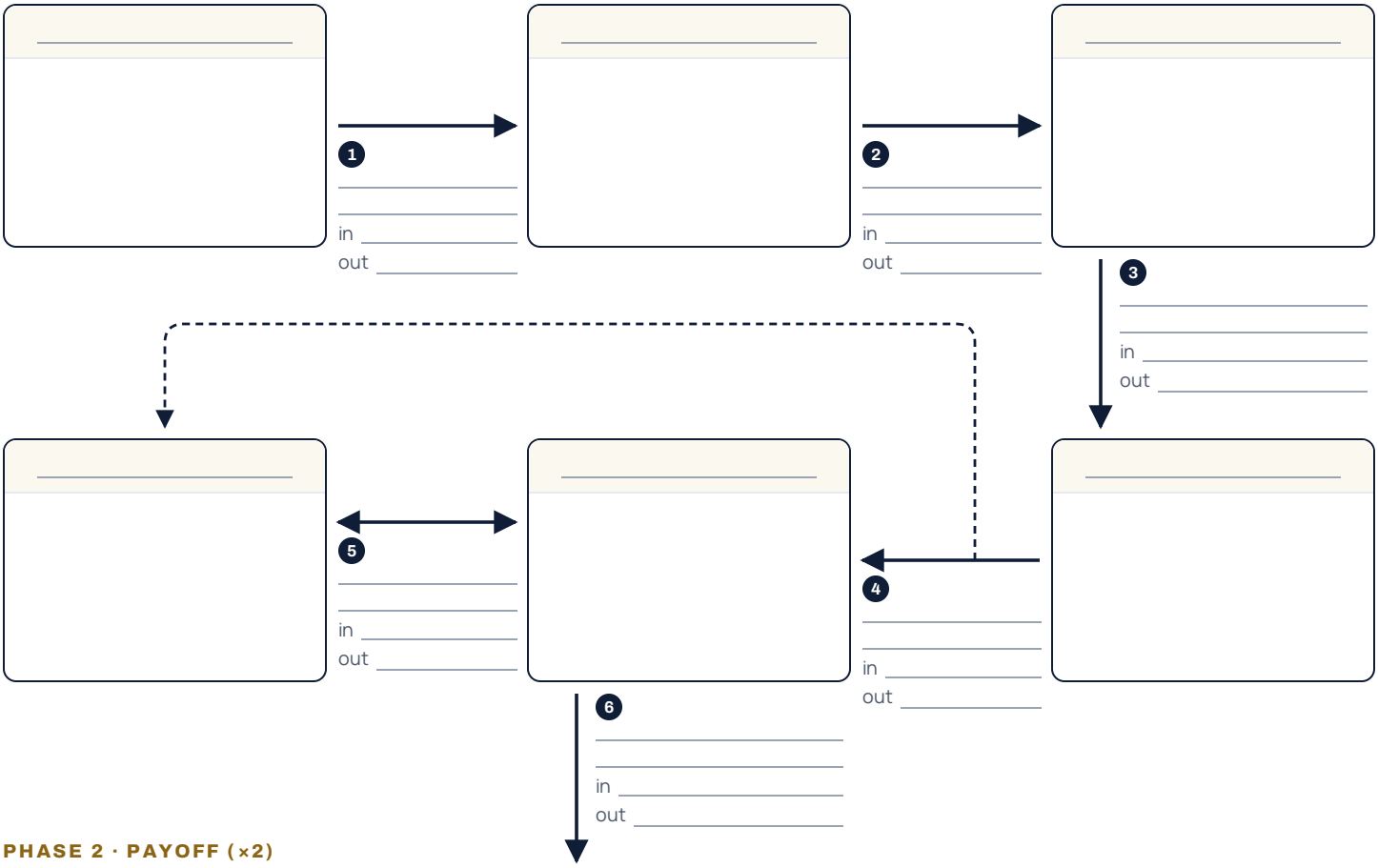
Glycolysis

SweetLion Prep

Name _____ Date _____

PHASE 1 · INVESTMENT



PHASE 2 · PAYOFF (×2)

Glycolysis by the numbers

Location _____

Net ATP / glucose _____

NADH / glucose _____

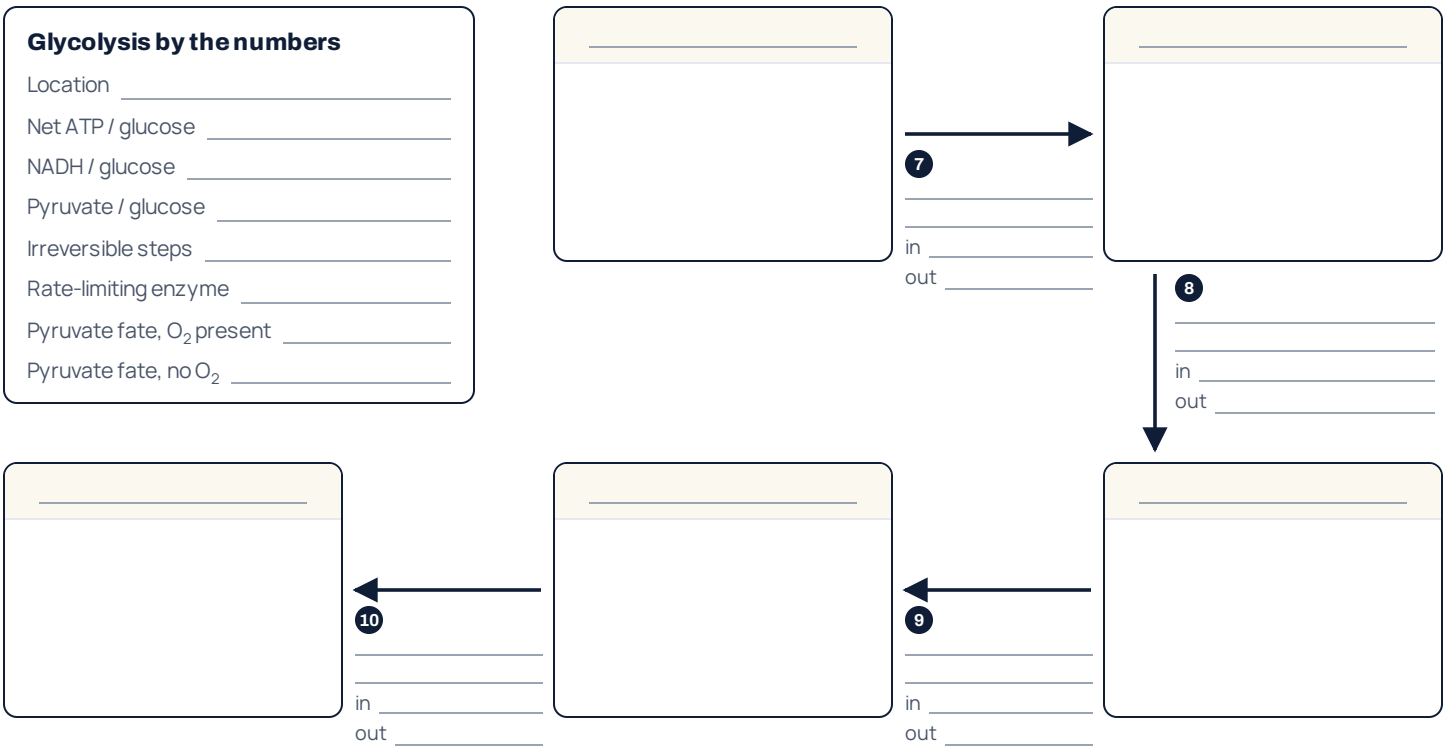
Pyruvate / glucose _____

Irreversible steps _____

Rate-limiting enzyme _____

Pyruvate fate, O_2 present _____

Pyruvate fate, no O_2 _____

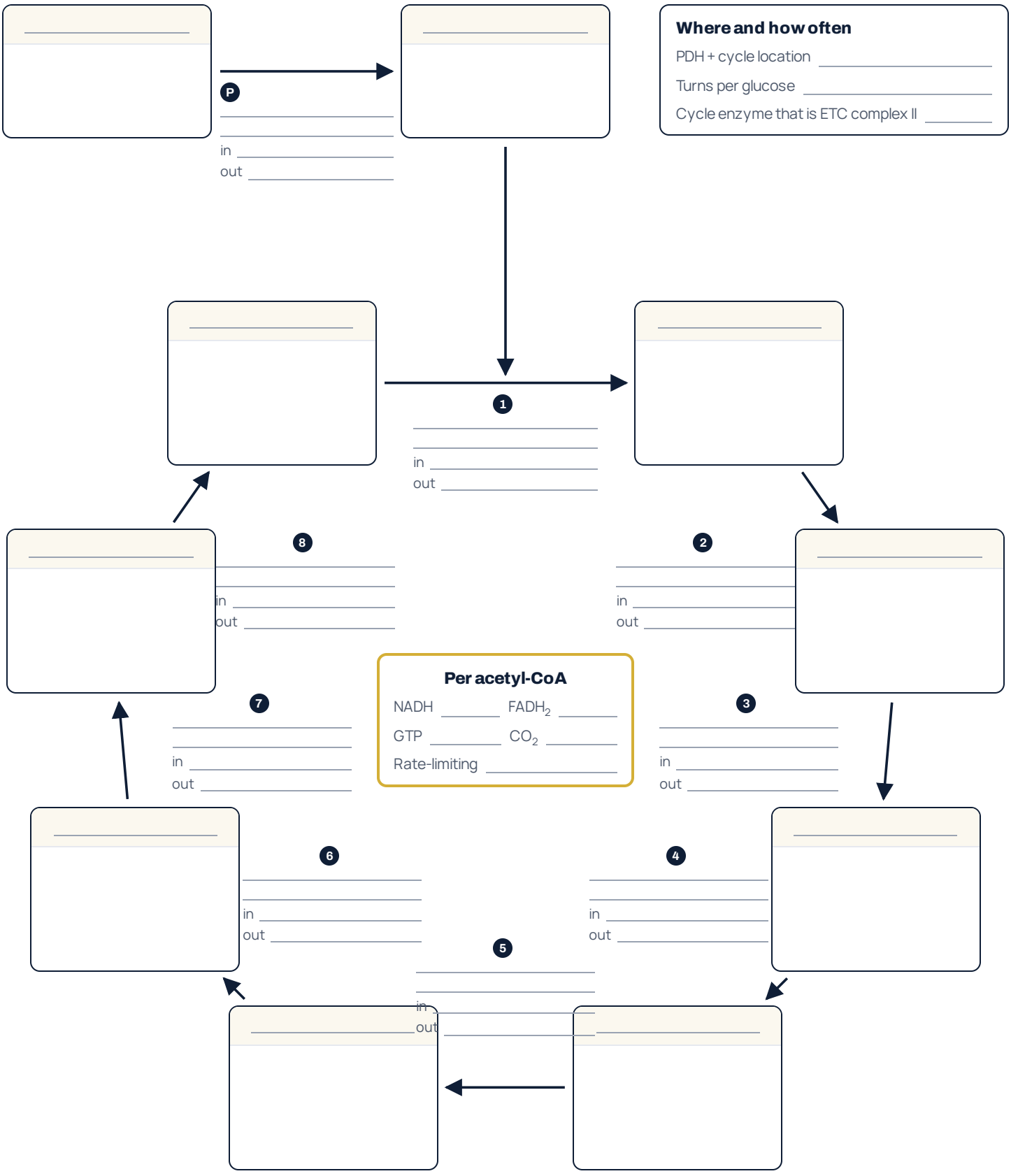


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Citric Acid Cycle

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Name _____ Date _____



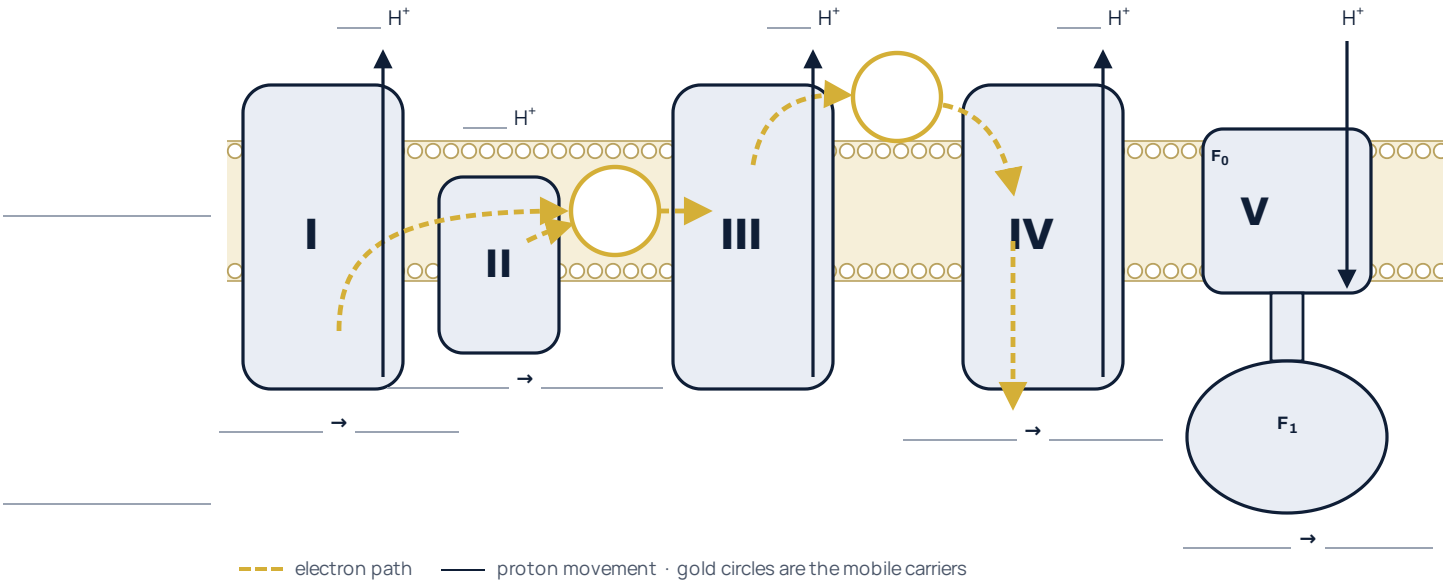
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Electron Transport Chain

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Name _____ Date _____

LABEL THE COMPARTMENTS



Complex	Name	Electrons from → to	H+ pumped	Inhibitor
I				
II				
III				
IV				
V				

The ETC by the numbers

Final electron acceptor _____

How the gradient makes ATP _____

ATP per NADH _____

ATP per $FADH_2$ _____

Total ATP per glucose (aerobic) _____

Example uncouplers _____

Uncoupler effect on ATP output _____

Uncoupler effect on O_2 use and heat _____

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