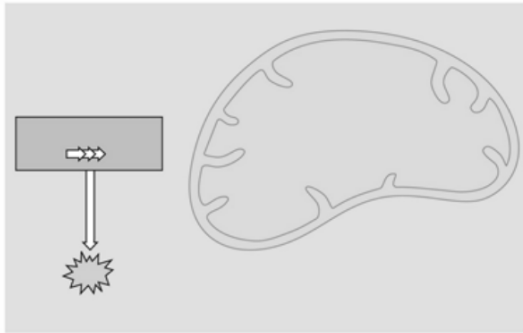


FRONT COVER (p.1

Cellular Respiration and
Photosynthesis
Your Name

Cellular Respiration



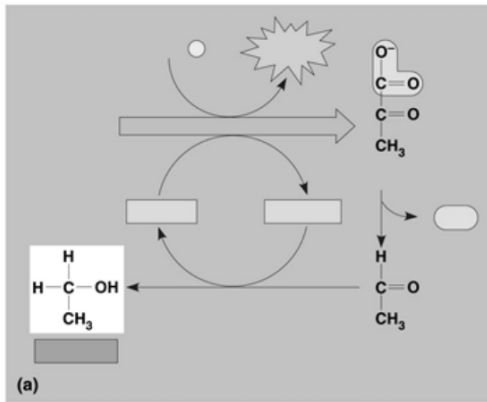
Copyright © 2005 Pearson Education, Inc. Publishing as Pearson Benjamin Cummings. All rights reserved.

Label the picture

Equation:

<u>Stage</u>	<u>Reactants</u>	<u>Products</u>	<u>Location</u>	<u>Purpose</u>

Alcoholic Fermentation



(a)
Copyright © 2005 Pearson Education, Inc. Publishing as Pearson Benjamin Cummings. All rights reserved.

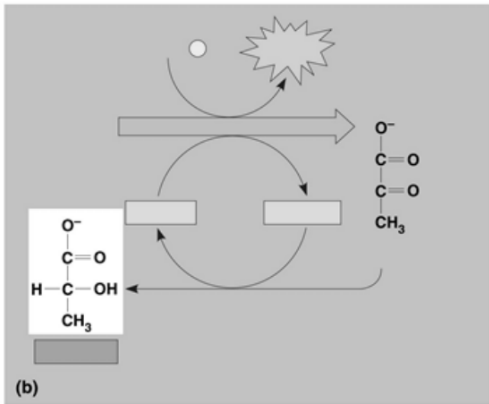
Label the picture

Location:

Equation:

Stages	Reactants	Products	Purpose
Glycolysis			
Alcoholic Fermentation			

Lactic Acid Fermentation



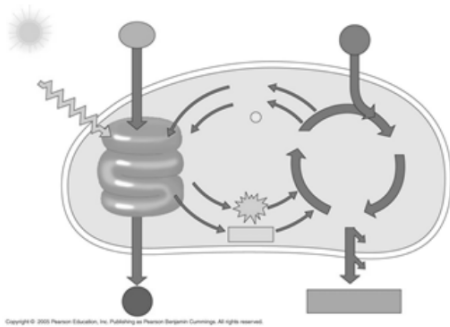
Label the picture

Location:

Equation:

Stages	In	Out	Purpose
Glycolysis			
Lactic Acid Fer			

Photosynthesis



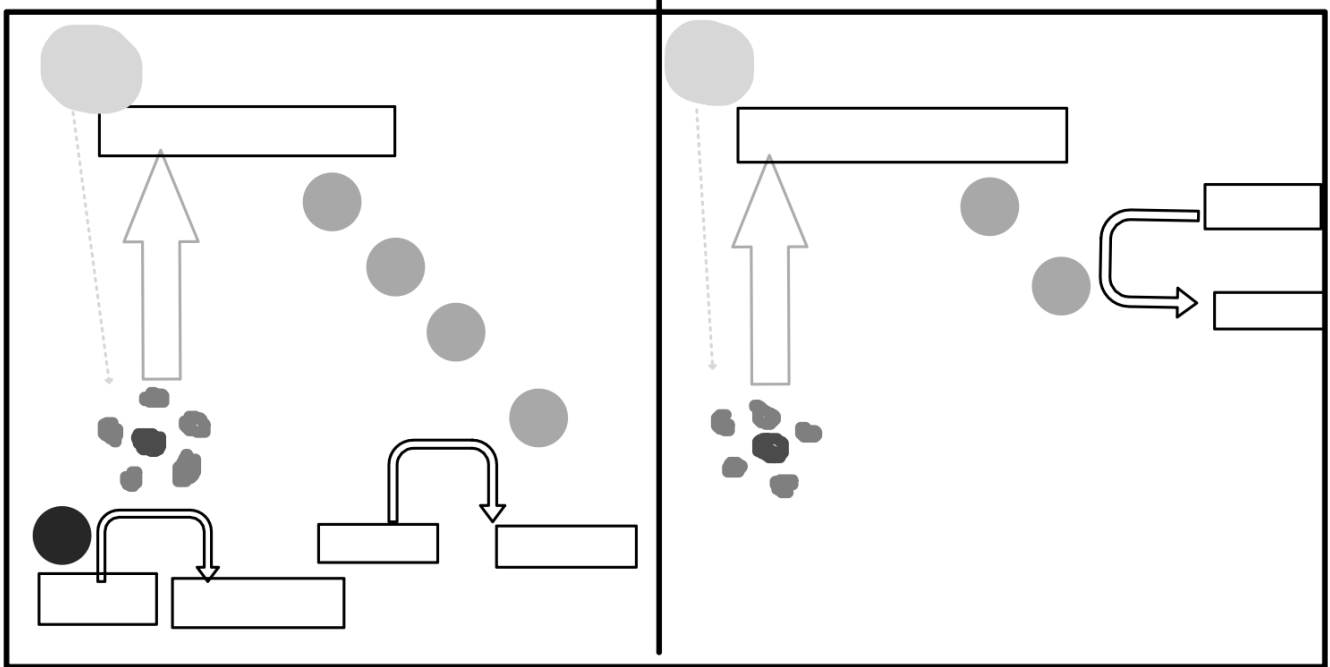
Copyright © 2008 Pearson Education, Inc. Publishing as Pearson Benjamin Cummings. All rights reserved.

Label the picture

Equation:

<u>Stage</u>	<u>Reactants</u>	<u>Products</u>	<u>Location</u>	<u>Purpose</u>

Light Reaction



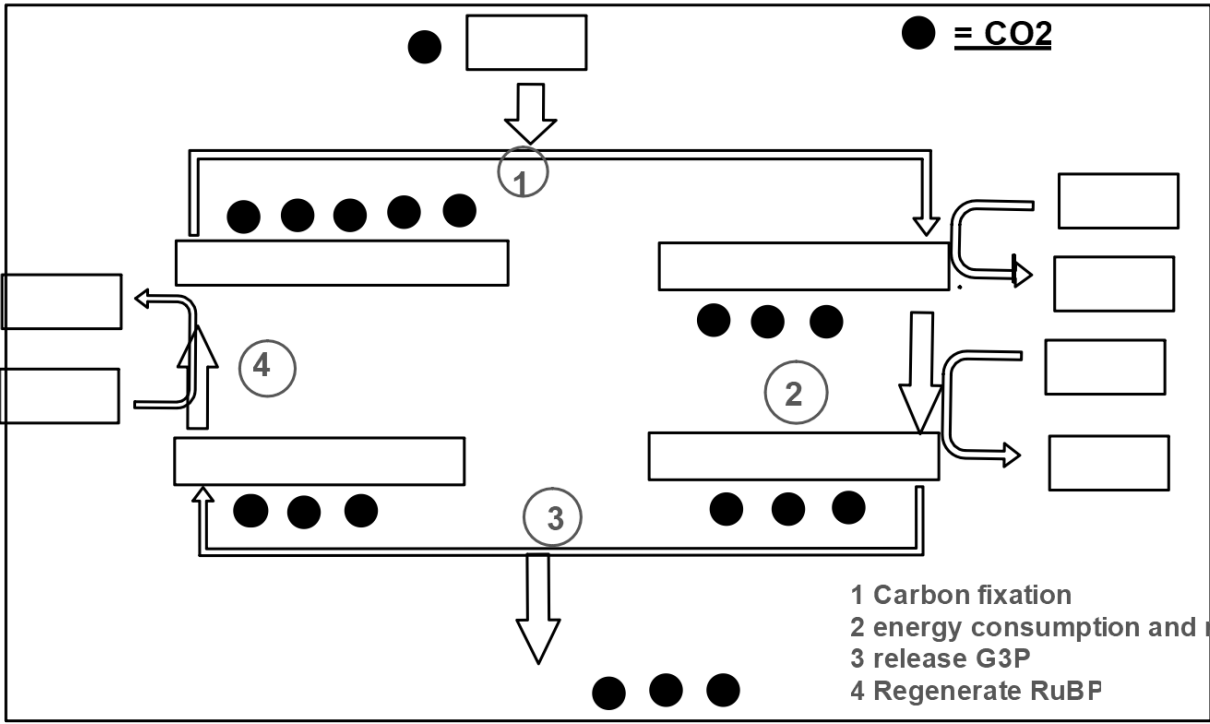
<u>Water</u>	<u>NADP+</u>	<u>e.t.c.</u>	<u>P680</u>
<u>Oxygen</u>	<u>NADPH</u>	<u>e.t.c</u>	<u>P700</u>
<u>ADP + F</u>	<u>primary e' acceptor</u>	<u>photon</u>	
<u>ATP</u>	<u>primary e' acceptor</u>	<u>photon</u>	

Photosystem = antenna + rxn center + 1' e' acceptor

Rxn center = primary chlorophyll + 1' e' acceptor

antenna = chlorophyll surrounding rxn center chlorophyll

Calvin Cycle PAGE 12



- 1 Carbon fixation
- 2 energy consumption and redox
- 3 release G3P
- 4 Regenerate RuBP

CO₂

3-PGA

RuBP

G3P

ATP
ATP

ADP + P
ADP + P

NADPH

NADP⁺