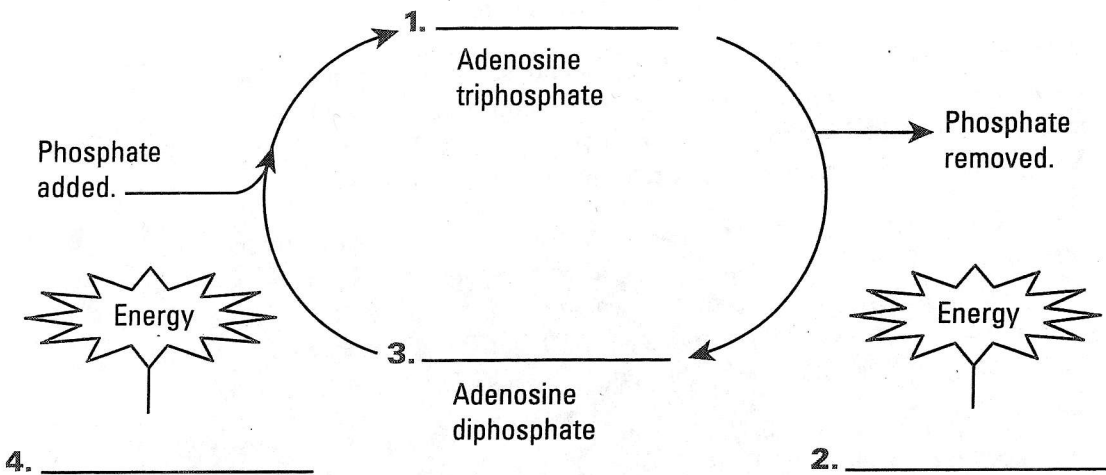


SECTION

4.1

CHEMICAL ENERGY AND ATP

Power Notes



Molecule Type	Energy	Details
5. Carbohydrate		
6. Lipid		
7. Protein		

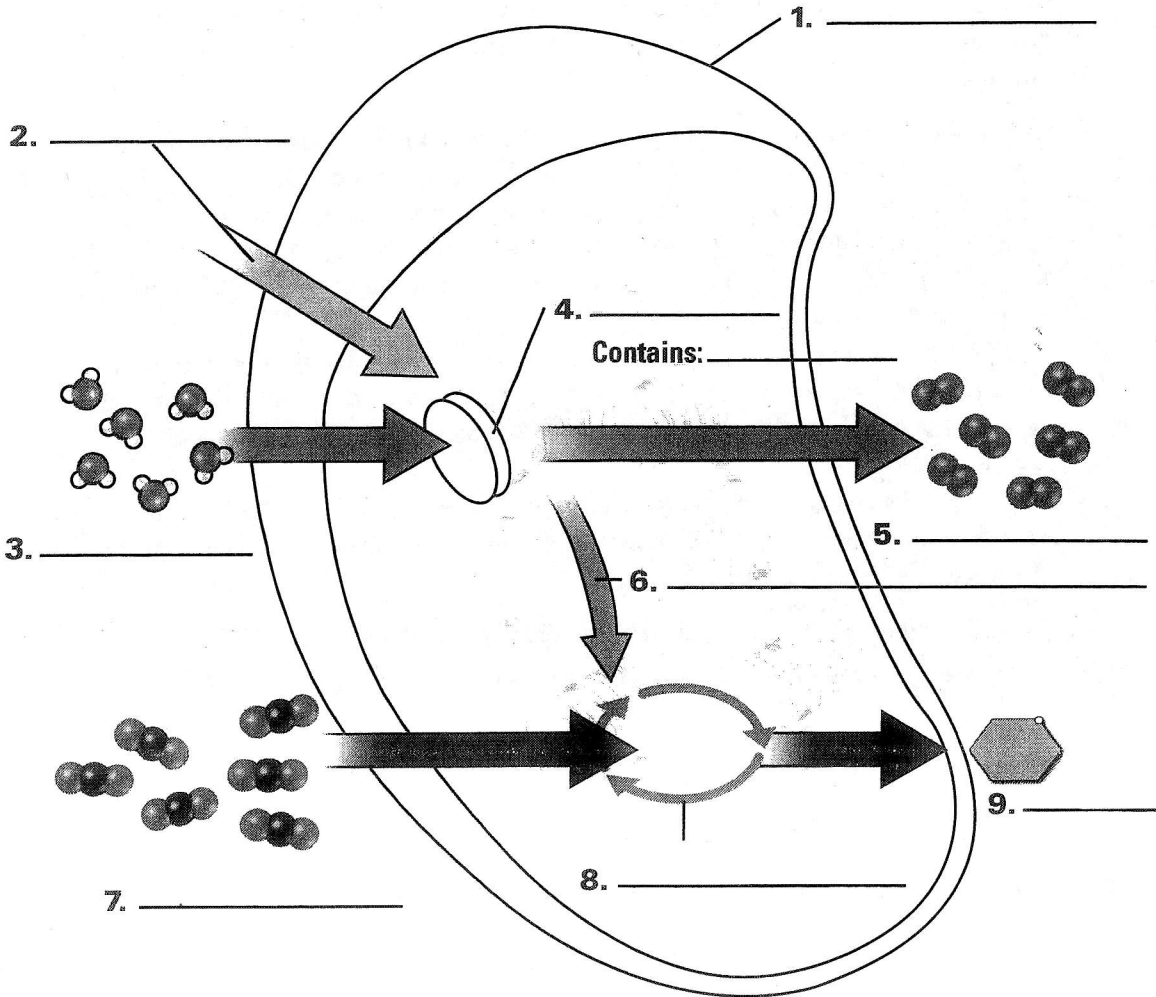
Chemosynthesis is:

SECTION 4.2

OVERVIEW OF PHOTOSYNTHESIS

Power Notes

Photosynthesis:



Write the equation for photosynthesis:

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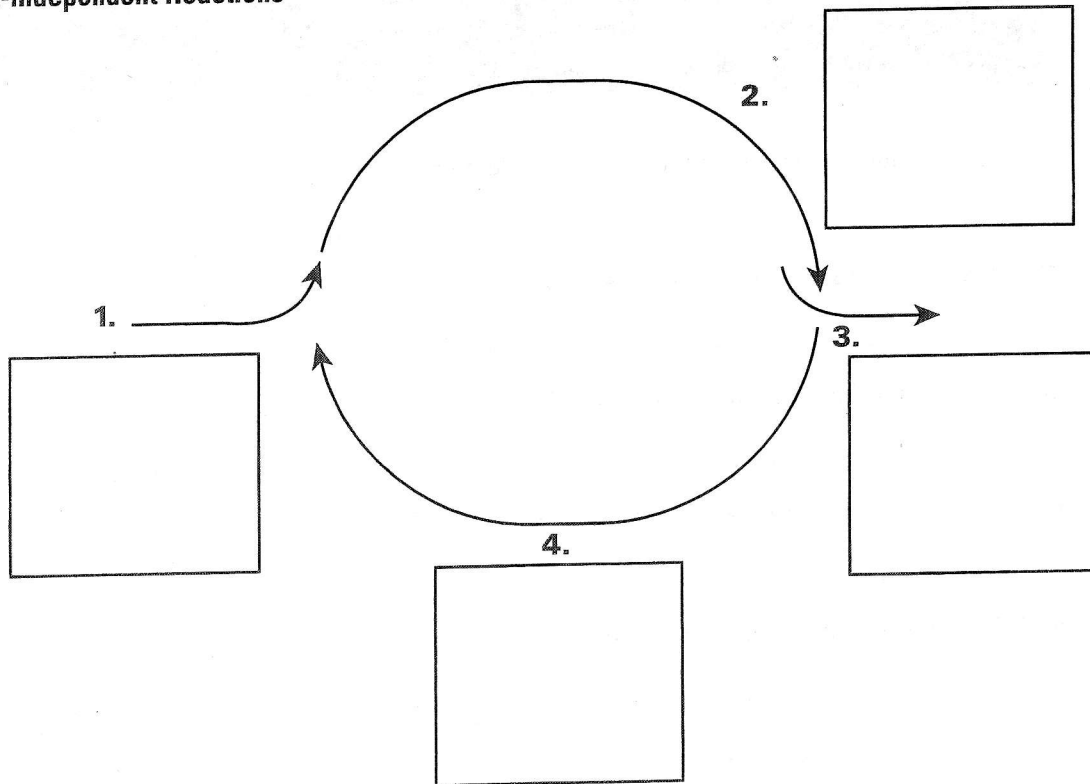
SECTION
4.3

PHOTOSYNTHESIS IN DETAIL
Power Notes

Light-Dependent Reactions

Step	Description
1	
2	
3	
4	
5	
6	
7	

Light-Independent Reactions

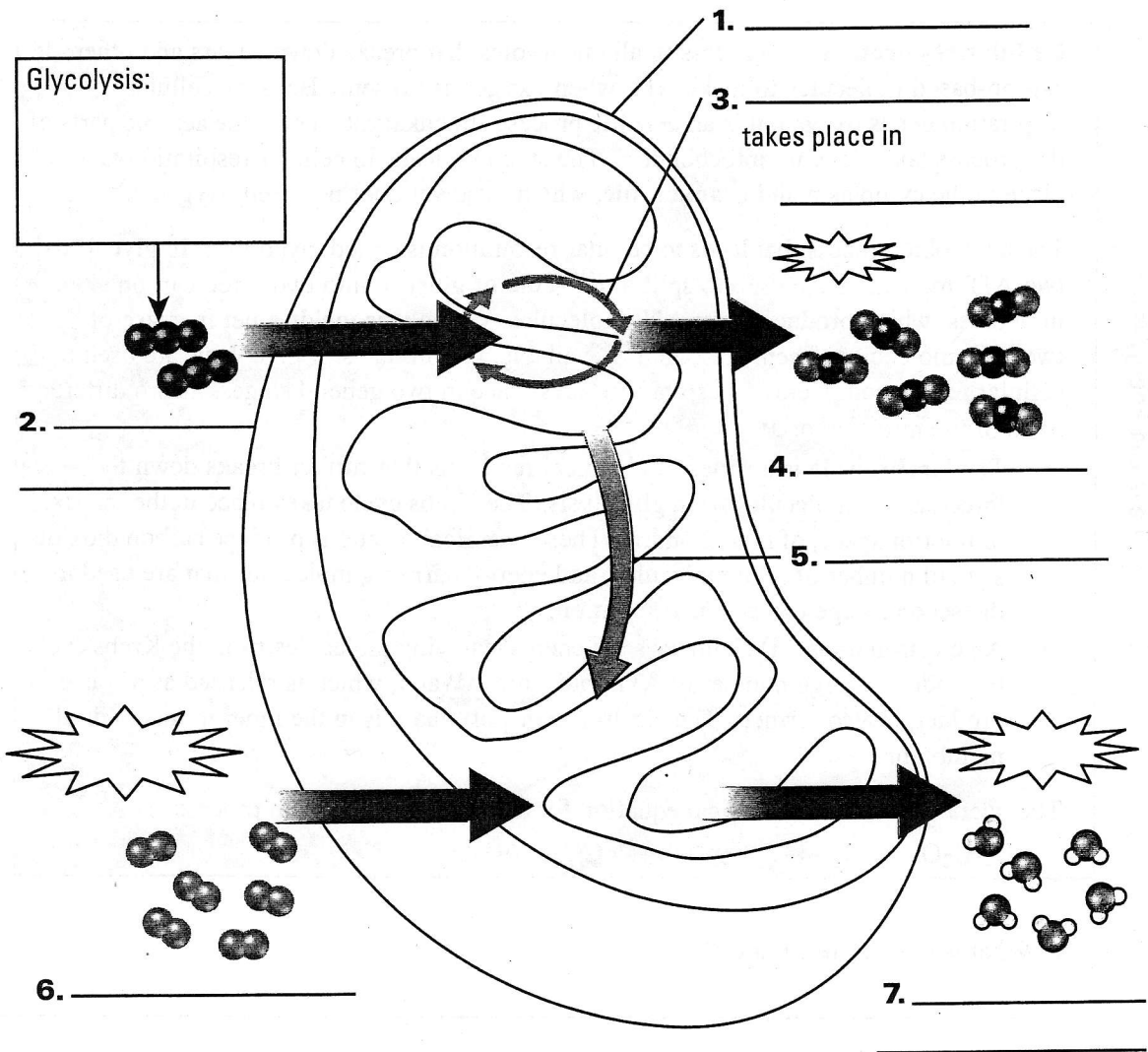


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SECTION 4.4

OVERVIEW OF CELLULAR RESPIRATION
Power Notes

Cellular respiration:



Glycolysis:

2. _____

1. _____

3. _____
takes place in

4. _____

5. _____

6. _____

7. _____

Write the equation for cellular respiration.

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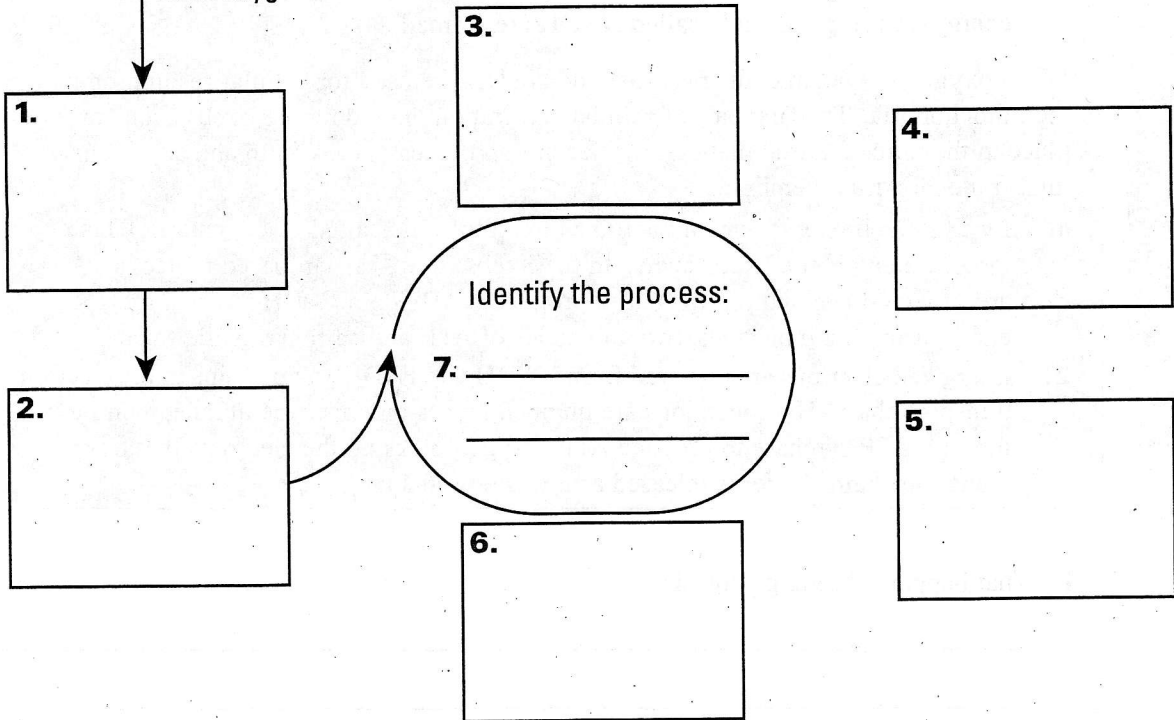
SECTION 4.5

CELLULAR RESPIRATION IN DETAIL

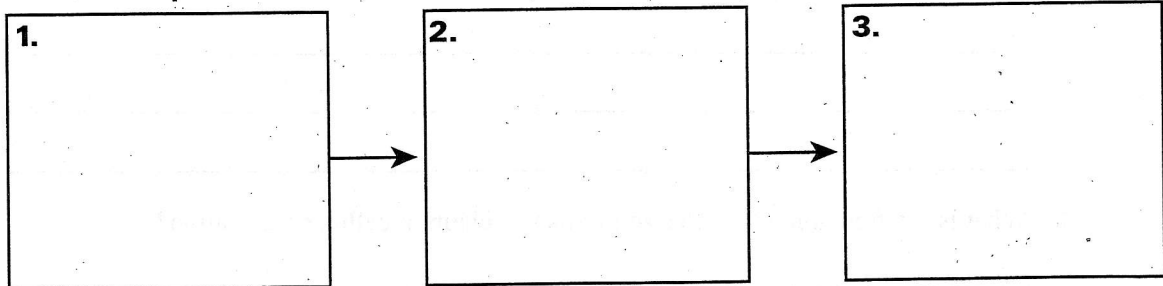
Power Notes

Glycolysis:

when oxygen is available



Electron Transport Chain

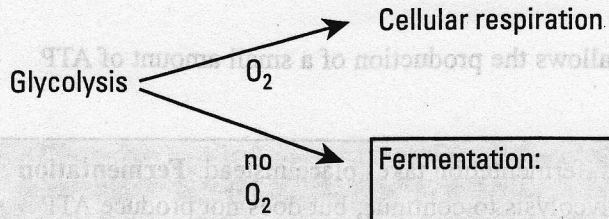


4. Oxygen's role in cellular respiration:

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SECTION 4.6

FERMENTATION Power Notes



Fermentation:

Lactic Acid Fermentation

Process:

Alcoholic Fermentation

Process:

Uses of Fermentation

- 1.
- 2.
- 3.

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