



Introduction to Respiration

1 2 3 4 5

Aerobic Respiration

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Anaerobic Respiration

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Aerobic Respiration : Glycolysis

1 2 3 4 5

key Facts

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The Link Reaction

- 1
- 2
- 3
- 4
- 5

Dehydrogenation

key Facts



Decarboxylation



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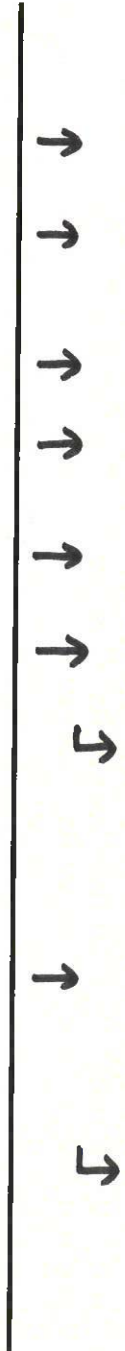
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Krebs Cycle

- 1
- 2
- 3
- 4
- 5

key Facts



Products:



Oxidative Phosphorylation

- 1
- 2
- 3
- 4
- 5





Anaerobic Respiration : Glycolysis

1 2 3 4 5

Mammals + Bacteria

Plants + Yeasts





Respiratory Substrates

- 1
- 2
- 3
- 4
- 5

Respiratory
Substrate





Respiratory Quotient

$$\frac{\text{---}}{\text{---}} = \frac{\text{---}}{\text{---}} = \frac{\text{---}}{\text{---}} = \frac{\text{---}}{\text{---}}$$

RQ can be used to find out...

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e.g.

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	RQ	kJg^{-1}
Lipids		
Proteins		
Carbohydrates		

Humans:

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Plants:

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