

Draw and Explain

Glycolysis

Use the words

Pyruvate

Phosphorylate

ATP

ADP

Substrate level

Triose Phosphate

NAD

Dehydrogenase

Glucose phosphate

Glycolytic step

Cytoplasm

Now use a textbook to **check and correct**

Draw and Explain

The Link reaction

Use the words

Decarboxylase

Carbon Dioxide

Pyruvate

Acetyl CoA

NAD

Dehydrogenase

Matrix

Now use a textbook to **check and correct**

Draw and Explain

The Krebs cycle

Use the words

Matrix

Citrate

Oxaloacetate

FAD

Acetyl CoA

Decarboxylase

NAD

Dehydrogenase

Now use a textbook to **check and correct**

Draw and Explain

A mitochondria

Use the words

Matrix

NADH

ATP synthase

Inter membrane space

Ribosome

DNA

Cristae

Now use a textbook to **check and correct**

Draw and Explain

Oxidative Phosphorylation

Use the words

Cytochrome oxidase

Oxygen

Water

Electrons

NAD

Proton motive force

ATP

ADP

Final electron acceptor

Inner mitochondrial membrane

Inter membrane space

Now use a textbook to **check and correct**

Draw and Explain

Formation of ATP

Use the words

Chemiosmosis

Adenosine Tri Phosphate

Substrate level

ATPase

ATP synthase

Explain why is it called the “universal energy currency”

Now use a textbook to **check and correct**

Draw and Explain

Anaerobic Respiration in Animals

Use the words

Glucose

Triose Phosphate

Pyruvate

NAD

Dehydrogenase

Regeneration

Lactate

Substrate level

ATP

Net gain

Now use a textbook to **check and correct**

Draw and Explain

Why the gas volume in a respirometer reduces when the organism inside respire

Use the words

Sodium Hydroxide

Water

Aerobic

Oxygen

Carbon dioxide

Now use a textbook to **check and correct**

Draw and Explain

Anaerobic Respiration in Plants and Yeast

Use the words

ATP

Glucose

Triose Phosphate

Pyruvate

NAD

Dehydrogenase

Carbon Dioxide

Regeneration

Ethanol

Substrate level

Ethanol

Now use a textbook to **check and correct**

Draw and Explain

The Absorption Spectra for Photosynthetic Pigments

Use the words

Chl a

Chl b

Accessory pigments

Absorption

Wavelength

Now use a textbook to **check and correct**

Draw and Explain

A Chloroplast

Use the words

Stroma

Double membrane

Thylakoid

Ribosome

Starch

Thylakoid interior

Grana

Now use a textbook to **check and correct**

Draw and Explain

The Action Spectra for Plants

Use the words

Chl a

Chl b

Accessory pigments

Rate of photosynthesis

Wavelength

Photosynthesis

Now use a textbook to **check and correct**

Draw and Explain

A Chlorophyll Molecule

Use the words

Magnesium ion

Porphyrin ring

Phytol tail

Now use a textbook to **check and correct**

Draw and Explain

Light dependent reactions in a thylakoid membrane

Use the words

Chl a

Chl b

Accessory pigments

PS II

PS I

Electron carriers

Photolysis

NADPH

ATP

Thylakoid space

Water

ATP Synthase

Now use a textbook to **check and correct**

Draw and Explain

The Calvin cycle (Light Independent)

Use the words

ATP

NADPH

TP (3C)

GP (3C)

Carbon Dioxide

RuBP (5C)

RUBISCO

Amino acids

Glucose

Reduce

Phosphorylate

Now use a textbook to **check and correct**

Draw and Explain

Cyclic Photophosphorylation

Use the words

PSI
Electron carriers
Electron transport
Chl a
Reaction centre
Hydrogen ions
ATP synthase
Gradient
Thylakoid interior
stroma

Now use a textbook to **check and correct**

Draw and Explain

Non-Cyclic Photophosphorylation

Use the words

PSII
PSI
Electron carriers
Electron transport
Chl a
Reaction centre
Hydrogen ions
ATP synthase
Stroma
Gradient
Thylakoid interior
photolysis
NADPH

Now use a textbook to **check and correct**