Jeopardy

Ch 8 part I	Ch 8 part II	Ch 9 part I	Ch 9 part II	Miscellane ous
<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>
<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>
<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>
<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>
<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>

Final Jeopardy

\$100 Question from H1

Where do the light dependent reactions Take place in the plant cell?



\$100 Answer from H1

Thylakoid



\$200 Question from H1

This is the fluid portion of the chloroplast Where light independent reactions take place



\$200 Answer from H1





\$300 Question from H1

What determines the color of light?



\$300 Answer from H1

Its wavelength



\$400 Question from H1

Energy is released from ATP when what Happens?



\$400 Answer from H1

Energy is released when a phosphate group Breaks off of the ATP molecule



\$500 Question from H1

These plants adapted to dry climates and use A different strategy to obtain carbon dioxide While minimizing water loss



\$500 Answer from H1

CAM plants



\$100 Question from H2

These clusters of chlorophyll and proteins Are surrounded by pigments which absorb light



\$100 Answer from H2

Photosystem



\$200 Question from H2

This protein allows H+ to pass through it And rotates to attach phosphates to ADP Making ATP



\$200 Answer from H2

ATP synthase



\$300 Question from H2

What are the reactants (3) and products (2) for Light-independent reactions?



\$300 Answer from H2

Reactant- NADPH, ATP, Carbon dioxide Product- Sugar



\$400 Question from H2

What are the reactants (2) and products (3) to Light-dependent reactions?



\$400 Answer from H2

Reactants- Sunlight and Water Product- Oxygen, ATP, NADPH



\$500 Question from H2

What are the 3 main things that can Affect the process of photosynthesis?



\$500 Answer from H2

Temperature, Light, and Water



\$100 Question from H3

The process that releases energy from food In the presence of oxygen



\$100 Answer from H3

Cellular respiration



\$200 Question from H3

Process that uses oxygen known as Process that doesn't use oxygen



\$200 Answer from H3

Aerobic Anaerobic



\$300 Question from H3

What are the reactants and products in cell Respiration?



\$300 Answer from H3

Reactants- Oxygen and Glucose Products- Carbon dioxide, water, energy



\$400 Question from H3

What main compound is made from glycolysis?



\$400 Answer from H3

Pyruvic acid



\$500 Question from H3

What are the two main electron carriers?



\$500 Answer from H3

NADH and FADH



\$100 Question from H4

What process occurs after glycolysis if oxygen Is available?



\$100 Answer from H4

Kreb's cycle



\$200 Question from H4

What are the two products produced in Kreb's cycle



\$200 Answer from H4

Carbon dioxide Energy (ATP, NADH, FADH2)



\$300 Question from H4

What are the reactants for ETC?



\$300 Answer from H4

Energy (NADH, FADH2, ADP,) and O2



\$400 Question from H4

What are the products for ETC?



\$400 Answer from H4

Water and Energy (ATP)



\$500 Question from H4

What are the two types of fermentation?



\$500 Answer from H4

Alcoholic Fermentation Lactic Acid Fermentation



\$100 Question from H5

What is the total amount of energy produced In cellular respiration?



\$100 Answer from H5

36 ATP



\$200 Question from H5

If oxygen is not present after glycolysis, What process proceeds afterwards?



\$200 Answer from H5

Fermentation



\$300 Question from H5

I package and send proteins out of the cell



\$300 Answer from H5

Golgi Apparatus



\$400 Question from H5

How are photosynthesis and cell respiration Related?



\$400 Answer from H5

Photosynthesis makes the reactants for Cell respiration and cell respiration makes The reactants for photosynthesis



\$500 Question from H5

What causes air bubbles in bread?



\$500 Answer from H5

Production of carbon dioxide by yeast



Final Jeopardy

Yeast cells can carry out both fermentation and Cellular respiration, depending on whether is present. In which case would you expect yeast Cells to grow more rapidly?



Final Jeopardy Answer

Environment where is present since cell Respiration produces more ATP than fermentation

