Template

You should use the following text to answer questions. Your answers should be very short phrases less than 5 words.

{RETRIEVED PASSAGES}

- When do Plastoglobuli occur in linked groups?
- What is ATP synthase similar to?
- How many types of thylakoids are there?
- What distinguishes granal thylakoids? - What distinguishes stromal thylakoids?
- What shape are granal thylakoids?

{LLM OUTPUT}

Min-As-Oracle

... ATP energy as the hydrogen ions flow back out into the stroma—much like a dam turbine. There are two types of thylakoids—granal thylakoids, which are arranged in grana, and stromal thylakoids, which are in contact with the stroma. Granal thylakoids are pancake-shaped ... to their parent thylakoid. In old or stressed chloroplasts, plastoglobuli tend to occur in linked groups or chains, still always... 3. In old or stressed chloroplasts. 1 18. A dam turbine. 19. Two types. 20. Arranged in stacks. 21. Free floating. 22. Pancake-shaped.

Max-Only

...to their parent thylakoid. In old or stressed chloroplasts, plastoglobuli tend to occur in linked groups or chains, still always...

... In most vascular plant chloroplasts, the thylakoids are arranged in stacks called grana, though in certain plant...

··· - In old or stressed chloroplasts	~
Prokaryotic membranes and the inner chloroplast membrane	*
- Two: chlorophyll ""a"" and chlorophyll ""b""	•
- Arrangement in stacks called grana - Free-floating - Disc-shaped	* *

Best-Response

...to their parent thylakoid. In old or stressed chloroplasts, plastoglobuli tend to occur in linked groups or chains, still always... ... In most vascular plant chloroplasts, the thylakoids are arranged in stacks called grana, though in certain plant... 3. In old or stressed chloroplasts. 18. Mitochondria. 19. Two types: grana and stromal. 20. Grana are stacked, stromal are free-floating. 21. Disc-shaped. 22. 0.2-0.5 micrometers in diameter.

Top-k

... ATP energy as the hydrogen ions flow back out into the stroma—much like a dam turbine. There are two types of thylakoids—granal thylakoids, which are arranged in grana, and stromal thylakoids, which are in contact with the stroma. Granal thylakoids are pancake-shaped ... In most vascular plant chloroplasts, the

thylakoids are arranged in stacks called grana, though in certain plant...

3. When CO is scarce	×
18. Two types	*
19. Arranged in stacks	×
20. In contact with stroma	•
21. Pancake-shaped	×
22. Varies	×

None 3. Linked metabolic pathways 18. Grana and stromal 19. Stacked thylakoids 20. Unstacked thylakoids 21. Flattened discs 22. 10-20 nm in diameter

Random

... membrane shows its extensive invaginations to be stacked, similar to thylakoid disks; hence the mitochondrial intermembrane space is topologically quite similar to the chloroplast lumen...

... the stromal thylakoids. These large protein complexes may act as spacers between the sheets of stromal thylakoids. The number of thylakoids and the total thylakoid area of a chloroplast is influenced by light exposure. Shaded chloroplasts contain larger and more grana with more thylakoid membrane...

3. In linked groups

18. Mitochondria 19. Grana and stromal 20. Thylakoid-shaped 21. Vary in size

22. Six