

Oxidative Phosphorylation by Greg Crowther and Do Peterson

Do you see the athletes run?
Do you see the children crawl?
Every soul beneath the sun --
Ox phos fuels them one and all.

You can't see inside their cells;
If you could, here's what you'd see:
Small cigar-shaped organelles
Synthesizing ATP.

Matrix protons get pumped out
To the intermembrane space.
Then they take an inward route
Through the ATP synthase.

[Preacher's message:]

Fuel the muscles.
Feel the sunshine.
Feel the ATP.
See the children.
See the athletes.
Ox phos fuels us you and me.
In the morning,
In the mid-day,
In the afternoon.
In the evening,
In the late night,
Ox phos fuels us me and you.
When I feel up,
When I feel good,
When I'm movin' 'round,
When I sit up,
When I stand up,
When I make my sound.
All right, now.
Oxidative phosphorylation.
Oxidative phosphorylation.
Oxidative phosphorylation.
Oxidative phosphorylation....

Comments: Oxidative phosphorylation is the mitochondrial process by which electron transport leads to the pumping of protons out of the matrix, which then leads to ATP synthesis when the protons diffuse down their electrochemical gradient into the matrix.