

♪ Ellie's Got Important Jobs to Do! ♪

Verse 1

Ellie's making lipids, watch her go!
Building phospholipids row by row.
These fat-like molecules make membranes too,
With cholesterol to keep them stable for you!

Chorus

Ellie Smooth Endoplasmic Reticulum!
Making lipids all day long!
Lipids, calcium, chemicals too,
Ellie's got important jobs to do!

Verse 2

No ribosomes attached, so Ellie stays smooth,
Connected to Ernie, with different work to do.
Ernie folds proteins; Ellie makes fats,
She makes hormone signals, another of her tasks!

Chorus

Ellie Smooth Endoplasmic Reticulum!
Making lipids all day long!
Lipids, calcium, chemicals too,
Ellie's got important jobs to do!

Verse 3

Ellie stores calcium till muscles need to move,
Then releases it to help them groove!
In liver cells, her enzymes help each day,
Changing chemicals to clear away.

Chorus

Ellie Smooth Endoplasmic Reticulum!
Making lipids all day long!
Lipids, calcium, chemicals too,
Ellie's got important jobs to do!

Bridge

Smoke and toxins bring chemicals in,
Reactive molecules cause stress within.
Too much oxidative stress can harm cells too,
Making more trouble for Ellie and the Crew.
Stay away from smoke and toxins too,
Clean air is healthier for your cells and you!

Final Chorus

Ellie Smooth Endoplasmic Reticulum!
Making lipids all day long!
Lipids, calcium, chemicals too,
Ellie's got important jobs to do!