Video Notes: Jones – building new topsoil (14-33 minutes) <https://www.youtube.com/watch?v=C3_w_Gp1mLM>

Examples:

Where are places with no plants?

Soils there?

Where are best soils in US? Cause?

What is plant “exuding” from its roots?

Why? Benefits?

What is rhizo”sheath”?

What is found at 19:45 between plant root and soil?

It’s appearance?

What happens in rhizosheath regarding nitrogen?

Good aggregates leave good \_\_\_\_\_\_\_\_\_ spaces.

Carbon exudation most active around \_\_\_\_\_\_\_\_\_\_ roots.

Five components of humus (23:50)

Nitrogen has to be fixed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in order for \_\_\_\_\_\_\_\_\_\_ to be sequestered in a stable form.

Humic molecule has 4 key elements:

Liquid Carbon Pathway (4 steps)

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Thus, fertile, \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ topsoil is a product of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and microbial \_\_\_\_\_\_\_\_\_\_

What can interrupt the process?