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Distance learning course

Soil Respiration: How soil breathing affects our lives

1. Introduction

- Who am I?
- Whom do I work for?
- Why I am here

2. Soil Fundamentals

- Definition of soil out my school's textbook
- What it is made out of
 - 1) Inorganic matter
 - 2) Soil H₂O
 - 3) Soil air
 - 4) Organic matter (OM)
- How it is separated
 - 1) Soil layers
 - 2) Soil types

3. Makeup of soil

- Inorganic particles-textbook definition
- Soil water- textbook definition
- Soil air- textbook definition
- Organic matter- textbook definition

4. Soil air

- Fundamental composition
- Why is it there?
- What is its importance?

5. What makes soil "breathe" (or to be more specific the air exchange btw soil and the atmosphere)

- Animals- rabbits, moles
- Microorganisms- bacteria, fungi, protozoa
- Insects

6. Respiratory importance

- Economic
 - Plants need root respiration
 - Our food, fuel and fiber need plants
 - Therefore bad respiration equates to economic troubles
- Climactic
 - N cycle
 - C cycle
 - Carbon pool mentioning

7. Questions?

8. Works cited/ referenced