

Unit 5

Competency Goal 2:

The learner will build an understanding of lithosphere materials, tectonic processes and the human and environmental impacts of natural and human induced changes in the lithosphere.

Competency Goal 4:

The learner will build an understanding of the hydrosphere and its interactions and influences on the lithosphere, the atmosphere, and environmental quality.

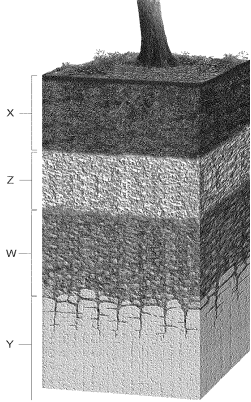
Unit 5 Objectives:

- I can explain the difference between mechanical and chemical weathering.
- I can describe how weathering and erosion occur.
- I can list and describe the major components of soil.
- I can describe a soil profile.
- I can list the factors that affect soil formation.
- I can list and describe the major types of mass movements.

Unit 5 Essential Questions

1. What are the differences between mechanical (physical) and chemical weathering?
2. Give two examples each of mechanical (physical) and chemical weathering.
3. List the factors that affect the rate of weathering.
4. List and describe the four components of soil.
5. What is a soil profile? Identify each layer.
6. List the factors that affect soil formation.
7. List three human activities that affect the rate of soil erosion.
8. List and describe the types of mass movements.

Vocabulary

<p>Mechanical weathering (physical weathering) frost wedging Talus Exfoliation Chemical weathering</p>	<p>Regolith Soil Soil horizon Soil profile Pedalfer Pedocal Laterite</p>	 <p style="text-align: center;">Figure 5-2</p>	<p>Mass movement Rockfall Rockslide Slump Mudflow Earthflow creep</p>
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