

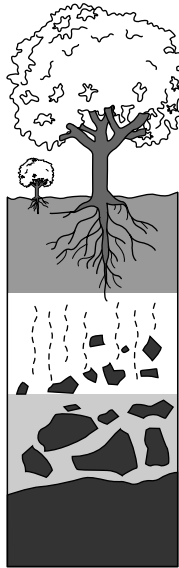
Chapter 8

Use with Section 2

REINFORCEMENT

● Soil

Use the diagram of a soil profile to answer Questions 1–5 on the lines provided. Then answer Questions 6 and 7.



A horizon: organic matter, roots, worms, insects and other living organisms, small rock and mineral fragments

B horizon: some roots and other living organisms, materials leached by water from the A horizon, clay, rock fragments, minerals

C horizon: materials leached by water from the B horizon, partly weathered rock fragments

Solid Rock

- Which soil layer contains the most humus? _____

- How far into the soil do plant roots extend? _____

- Where in this soil profile are worms and insects breaking down organic matter in the soil?

- Where in this soil profile is solid rock being weathered? _____

- What is the name of the process by which water carries materials from the upper horizons down to the lower levels? _____
- What factors in an area help determine the type of soil—the thickness of the layers and their composition? _____

- Choose a factor from Question 6 and explain how it can affect the soil in an area. _____

