

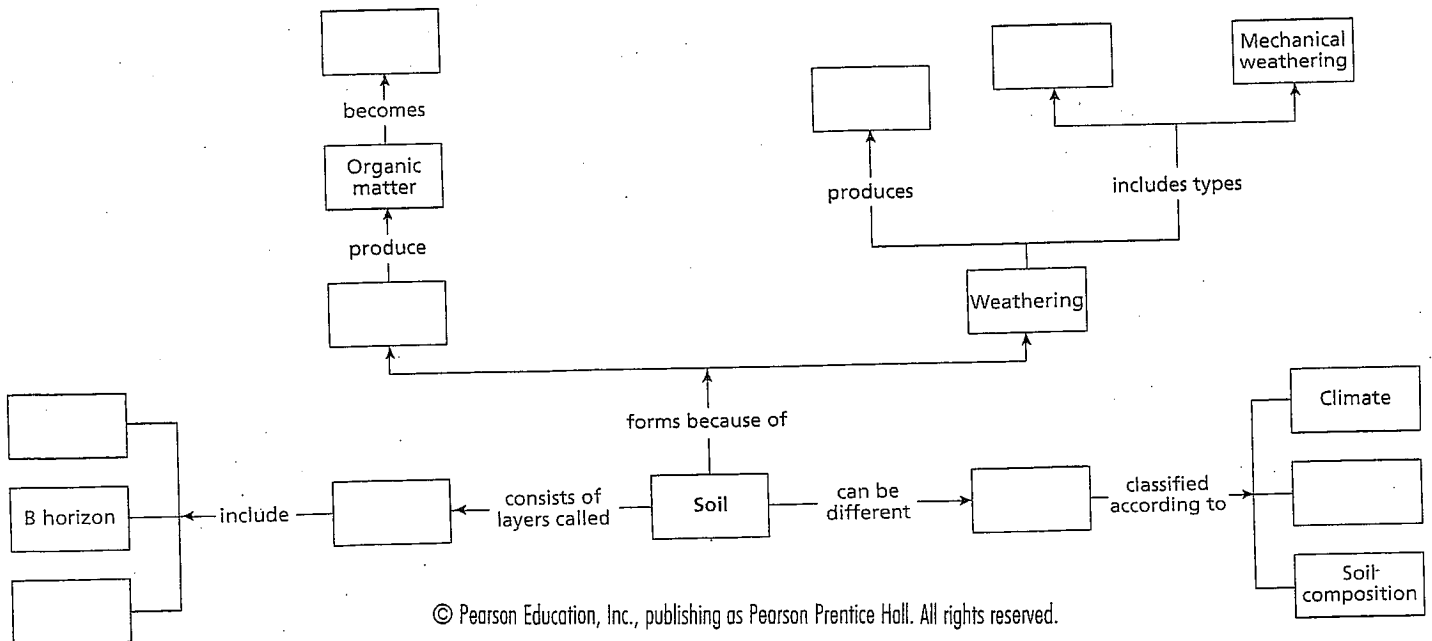
Weathering and Soil Formation ▪ *Guided Reading and Study*

What Is Soil? (pp. 248–249)

1. The loose, weathered material on Earth's surface in which plants can grow is _____.
2. The solid layer of rock beneath the soil is called _____.
3. What is soil composed of?

4. List the three types of weathered rock particles found in soil.
 - a. _____
 - b. _____
 - c. _____
5. The decayed organic material in soil is called _____.
6. Circle the letter of the choice that lists soil particles from largest to smallest.
 - a. sand, gravel, clay, silt
 - b. gravel, sand, silt, clay
 - c. gravel, silt, sand, clay
 - d. gravel, sand, clay, silt
7. Soil that is made up of about equal parts of clay, sand, and silt is called _____.
8. How does soil form?

Weathering and Soil Formation



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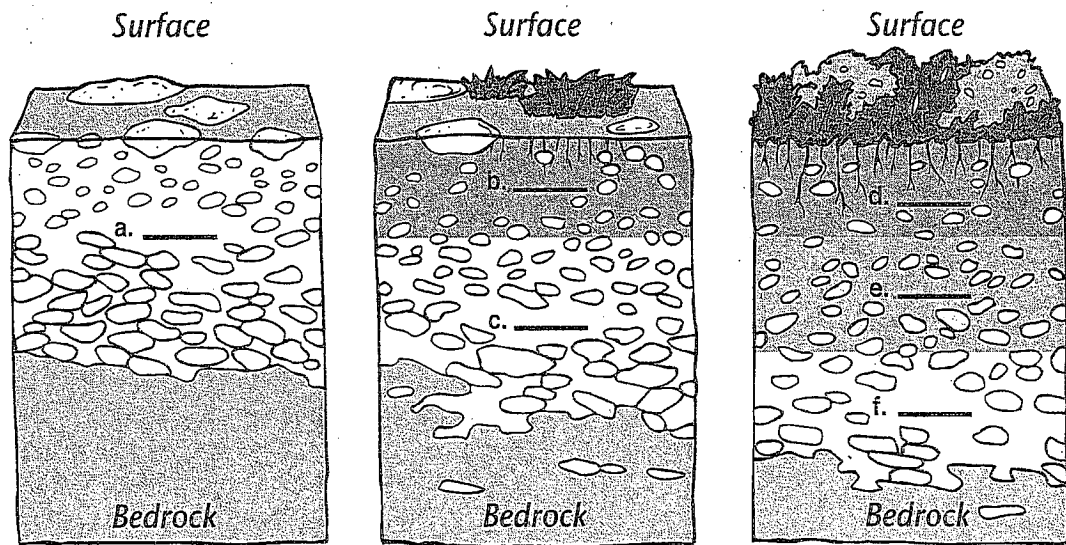
How Soil Forms *(continued)*

The Process of Soil Formation (p. 250)

Match the soil horizon with its makeup.

Soil Horizon	Makeup
___ 9. A	a. Topsoil
___ 10. B	b. Weathered rock particles
___ 11. C	c. Subsoil

12. Label each of the soil horizons shown in the three drawings as A, B, or C horizon.



13. Circle the letter of each sentence that is true about the rate of soil formation.

- a. It is faster in areas that are cold.
- b. It is slower in areas that are dry.
- c. It is faster with limestone than granite.
- d. It is unaffected by the type of rock being weathered.