

**ENVIROTHON
LEARNING OBJECTIVES/
TESTING AREAS**

Soil

- A. Recognize soil as an important resource

- B. Describe basic soil properties and formation factors

- C. Understand soil drainage classes and know how wetlands are defined

- D. Determine basic soil properties and limitations, such as mottling and permeability, by observing a soil pit or soil profile

- E. Identify types of soil erosion and discuss methods for reducing erosion

TEKS Courses

Biology 12(D)(E), 13(A); Introduction to World Agricultural Science and Technology 5(C); Food Technology 2(A)(B)(C); Plant and Animal Production 2(B)(C); Range Management and Ecology 2(A), 3(A); Forestry and Wood Technology 2(A); Environmental Technology 3(A)(B); Plant and Soil Science 2(A); Advanced Plant and Soil Science 3(C); Agricultural Resources 2(A)

Integrated Physics and Chemistry 9(C); Biology 11(D), 12(A); Chemistry 4(A)(B)(C)(D), 12(A)(B)(C), 13(A)(B)(C), 14(D); Geology, Meteorology, and Oceanography 7(A)(B)(C)(D), 8(A)(B)(C); Plant and Animal Production 2(A); Environmental Technology 2(C); Plant and Soil Science 3(A)(B)

Aquatic Science 4(B)(C); Plant and Soil Science 3(A)(C)

Environmental Technology 2(C); Landscape Design, Construction, and Maintenance 2(A); Plant and Soil Science 3(B)

Aquatic Science 9(A); Introduction to World Agricultural Science and Technology 5(D)(F); Energy and Environmental Technology 3(C), 8(A)(B)(C)(D); Forestry and Wood Technology 4(C); Environmental Technology 4(A)(B)(C)(D), 5(B)(C)(D)(E); Plant and Soil Science 3(C)(D)

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F. Utilize soil information, including soil surveys, in land use planning

Chemistry 9(D); Energy and Environmental Technology 4(A)(B)(C), 5(A)(B)(C)(D), 9(A)(B)(C); Plant and Animal Production 2(B); Agribusiness Management and Marketing 4(A)(B)(C)(D)(E)(F); Range Management and Ecology 4(C)(D); Forestry and Wood Technology 4(A)(B); Environmental Technology 3(C); Landscape Design, Construction, and Maintenance 2(B); Fruit, Nut, and Vegetable Production 3(B), 4(D); Plant and Soil Science 2(B), 3(D); Advanced Plant and Soil Science 4(A)(B); Agricultural Resources 2(B), 3(C)

G. Discuss how soil is a factor in, or impacted by non-point source pollution

Biology 4(C); Aquatic Science 8(A)(B)(C)(D), 10(A)(B)(C); Introduction to World Agricultural Science and Technology 5(D); Applied Agricultural Science and Technology 7(A); Energy and Environmental Technology 3(A)(B)(C), 5(D); Exploring Aquaculture 4(D); Forestry and Wood Technology 4(C); Environmental Technology 4(A)(B)(C)(D); Fruit, Nut, and Vegetable Production 3(C); Plant and Soil Science 3(D)