

Unit 4 - Primary Resource Activities

SCO 4.1: The student will be expected to demonstrate an understanding of what constitutes a resource, including the following delineations:

- 4.1.1 Describe the three conditions that determine if a natural material is actually a resource. (k)
- 4.1.2 Demonstrate, with examples, how the use of a resource can be influenced by cultural practices. (a)

SCO 4.2: The student will be expected to demonstrate an application of the systems model to farming, including the following delineations:

- 4.2.1 Define the terms inputs, processes, and outputs. (k)
- 4.2.2 Identify the natural inputs in a farming operation. (k)
- 4.2.3 Identify the human inputs in a farming operation. (k)
- 4.2.4 Analyze the processes in a farming operation. (a)
- 4.2.5 Relate farming processes to inputs. (a)
- 4.2.6 Relate the outputs in a farming operation to the processes and inputs. (a)

SCO 4.3: The student will be expected to demonstrate an application of the systems model to offshore oil recovery, including the following delineations:

- 4.3.1 Identify physical factors that influence the decision to recover offshore oil and gas. (k)
- 4.3.2 Identify human factors that influence the decision to recover offshore oil and gas. (k)
- 4.3.3 Relate the kinds of technology used to recover off-shore oil and gas to environmental conditions. (a)
- 4.3.4 Describe elements (e.g., work roles, shift rotations) of an off-shore oil recovery operation. (k)
- 4.3.5 Describe the human risks associated with off-shore oil and gas operations. (k)
- 4.3.6 Examine factors that affect the viability of the off-shore oil industry. (a)

SCO 4.4: The student will be expected to demonstrate an understanding of selected patterns in the distribution of selected types of farming, including the following delineations:

- 4.4.1 Compare commercial farming and subsistence farming. (k)
- 4.4.2 Compare extensive farming and intensive farming. (k)
- 4.4.3 Define the terms shifting cultivation, agribusiness, and nomadic herding. (k)
- 4.4.4 Relate types of agriculture to climatic regions. (a)
- 4.4.5 Analyze a farming operation in terms of criteria related to commercial, subsistence, extensive, or intensive agriculture. (a)
- 4.4.6 Relate types of crops to selected climatic conditions. (a)
- 4.4.7 Examine patterns in the global distribution of types of agriculture. (a)

SCO 4.5: The student will be expected to analyze patterns in the location of off-shore oil reserves, including the following delineations:

- 4.5.1 Explain how oil and gas are formed. (k)
- 4.5.2 Describe the techniques used to locate offshore oil and gas reserves. (k)
- 4.5.3 Analyze data to arrive at patterns in the distribution of proven oil and gas reserves. (a)

SCO 4.6: The student will be expected to analyze trends and issues in the management of forest resources, including the following delineations:

- 4.6.1 Compare the terms clear-cutting and selective cutting. (k)
- 4.6.2 Compare the advantages and disadvantages of each approach to the harvesting of timber. (k)
- 4.6.3 Examine major threats to forest resources. (a)
- 4.6.4 Examine strategies for a sustainable forestry. (a)
- 4.6.5 Evaluate a position taken on a given argument about timber harvesting. (i)
- 4.6.6 Infer a relationship between climate and the extent of forest cover. (a)
- 4.6.7 Analyze global patterns in the depletion of forest resources. (a)

SCO 4.7: The student will be expected to explore issues related to the management of the fish resource, including the following delineations:

- 4.7.1 Examine impacts on a marine ecosystem. (a)
- 4.7.2 Examine trends in fish catches over an extended period. (a)
- 4.7.3 Develop an argument for the development of the aquacultural sector of the fishery. (i)
- 4.7.4 Identify major sources of ocean pollution. (k)
- 4.7.5 Examine the impact of new catch technology on the ocean environment. (a)
- 4.7.6 Develop strategies for a sustainable fishery. (i)
- 4.7.7 Predict possible effects of a declining fish resource on the livelihood of fishers. (i)