Lithosphere-Human Effects Concept Diagrams Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1) Listed below are a series of consequences/actions that result from either deforestation, agriculture, or urbanization. Write the letter for each consequence/action under the appropriate column. Consequences/actions listed below may be used for more than one category.

A. decreases carbon dioxide in atmosphere G. causes need for increased food production

B. increases carbon dioxide H. creates a concentrated area of pollution

C. increases oxygen in atmosphere I. destroys animal habitats

D. decreases rate of erosion J. causes need for deforestation

E. increases rate of erosion K. decreases oxygen in atmosphere

F. limits availability of farmland L. causes a loss of topsoil

|  |  |  |
| --- | --- | --- |
| Agriculture | Deforestation  | Urbanization  |
|  |  |  |

SUSTAINABLE AGRICULTURAL TECHNIQUES

2) For the concept diagram below, draw an image in the top box that reflects what each agricultural technique looks like when being implemented. For the bottom box, write a short summary for how the technique prevents the loss of topsoil.

3) Listed below are the names of artificial stabilization efforts for both shorelines, as well as characteristics for each one of them. Write each of the terms/descriptions below in the appropriate concept diagram. The stabilization structures are to be written on the small circles and the corresponding characteristics at each bullet point.

Artificial stabilization efforts: groins, seawalls, and breakwater

Characteristics of efforts:

1.) limits speed of incoming waves 4.) built perpendicular to shoreline

2.) construction replaces shoreline 5.) traps sand in particular area

3.) built parallel to shoreline 6.) designed to prevent property damage
 along shoreline

Stabilization efforts for shoreline