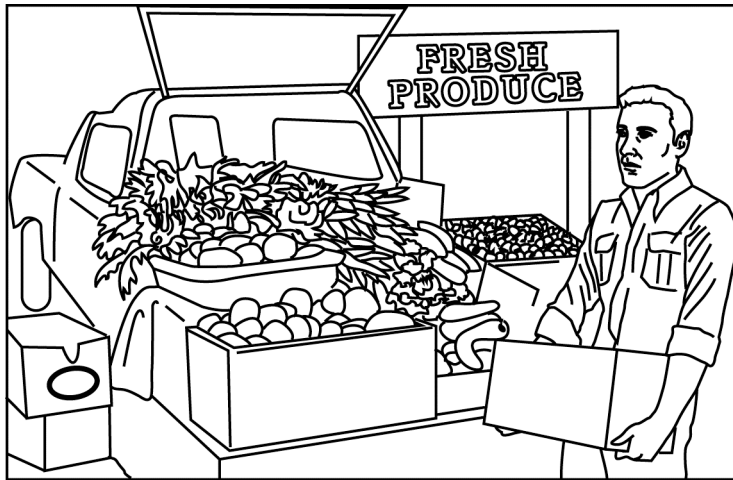


1. Von Thünen's model of land use and Burgess' model of land use are similar in appearance but different in their geographic setting. Analyze and discuss the two models in terms of each of the following:

- A. For each of these models, identify the type of land use the model addresses.
- B. Identify two assumptions that are shared by both models.
- C. For each of these models, explain how relative location affects land-use patterns.



X



Y

2. The drawings above reflect agricultural activities in the hinterland of a large urban area.

A. Apply the underlying principles of von Thünen's agricultural land-use model to predict the locations of the activities shown in X and Y relative to a large urban area.

B. Choose either activity X or activity Y and apply the underlying principles of von Thünen's agricultural land-use model to explain the location of the activity.

C. Discuss two factors that explain why agricultural land-use patterns today differ from those developed by von Thünen's model in 1826.

3. The rise of industrial agriculture has had significant effects on the environment and the economy of the United States.

A. Define "industrial agriculture."

B. Identify and describe ONE benefit of industrial agriculture.

C. Discuss TWO environmental impacts associated with industrial agriculture.

4. The restructuring of agriculture in the late twentieth century has had important implications for rural land use and the distribution to poultry (chicken and turkey) production in the United States.

A. List TWO factors that have increased the demand for poultry.

B. Briefly describe TWO characteristics of the present economic organization of poultry production in the United States.

C. Describe TWO features of the present geographic distribution of poultry production in the United States.

5. A. Define the term "Green Revolution" as used during the period 1945 to 1985.

- Explain the principal agricultural practices/technologies associated with the green revolution.
- Name TWO regions, in different parts of the world, where the green revolution has had a significant impact on crop yields.

B. Identify and discuss TWO social, political, or cultural conditions necessary for the success of agricultural practices/technologies of the green revolution.

C. Identify and discuss TWO significant economic or ecological factors that may limit the long-term success of the agricultural practices/technologies of the green revolution.

6. With reference to Von Thunen's model of agricultural land use which is also known as The Isolated State, answer the following question. Use specific examples wherever appropriate.

A. Diagram the model and identify two assumptions made by Von Thunen that may not be true in reality.

B. According to the model what two costs must a farmer consider when deciding which crops to cultivate? What is the relationship between distance to market and land use?

C. To what extent is the model relevant in more and less developed countries today?