

## Command Economy A - Land Use Comparisons

Open the multimedia unit on the Command Economy. Part 1 has a review of some things that you should considered in making decisions about food production.

Use the simulation in Part 2 to answer the following questions true or false (in each case, you will have to design a kind of "experiment" with the CD in order to find the answer).

Write a sentence below each question to explain your answer.

T F 1) Wheat requires a longer growing season than cotton.

T F 2) The western part of Russia has more favorable land for food production than the eastern part.

T F 3) Corn-hog farms require more rain than wheat farms.

T F 4) Fruit orchards are very tolerant of adverse environmental conditions, and therefore they can be profitable almost anywhere in the country.

T F 5) Wheat farms produce a heavier product than dairy farms,  
For this reason, wheat farms should be located closer to the cities  
in order to reduce costs of transportation.

T F 6) Nomadic herding is a very profitable use of land.  
For this reason, herders usually get to choose the best land,  
and other users must settle for colder or drier places.

## Command Economy B - Geographic Analyses

To answer each question on this page, you have to make a systematic study of one land use. For example, to figure out how much it costs to transport a crop such as wheat, you might start next to Moscow and see what happens to your profit as you go in away from the city.

Use the information on the overlay maps to "control" your experiment:

- a) try to stay in the same general kind of environment when you are testing the effects of distance, and
- b) try to stay at about the same distance from the market when you are testing the effects of environmental conditions.

In the space below each question, write a short description of the procedure you used to run your experiment and get your answer.

\_\_\_\_\_ 7) About how many "points" does it cost to transport wheat one square toward Moscow (M on the map), moving sideways, up, down, or diagonally?

\_\_\_\_\_ 8) About how much rain does corn seem to require in order to be profitable?

\_\_\_\_\_ 9) About how many months of growing season does cotton need to be profitable?

10) What environmental conditions does wheat seem to need in order to be profitable? (What's the minimum amount of rain, shortest growing season, slope requirements?)

11) Arrange these four land uses in order of the length of growing season that they seem to require: corn, dairy, cotton, herding.

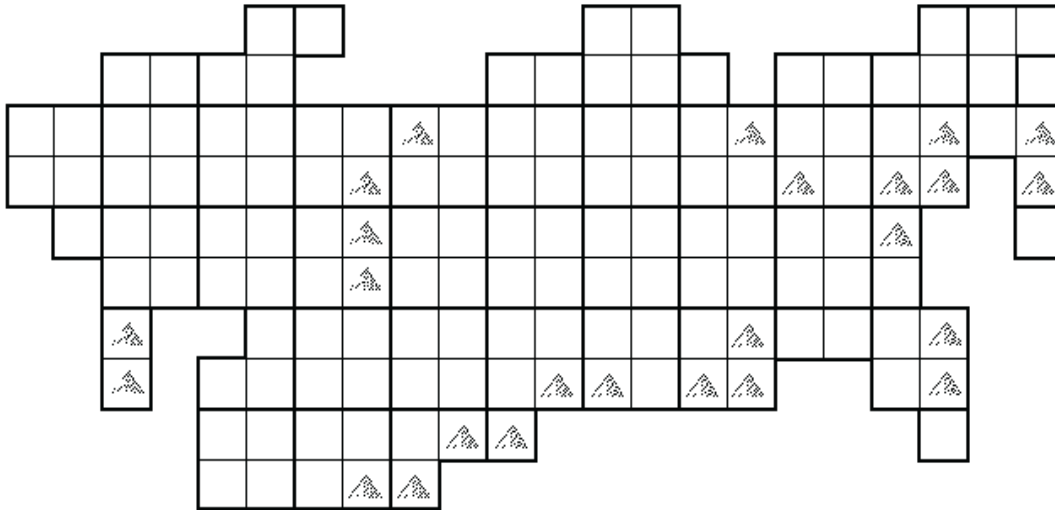
Longest \_\_\_\_\_ Shortest

## Command Economy C - Land Use Map

You are a Soviet planner before World War II. Your job is to pick good locations for one fruit orchard square, one cotton square, six corn squares, six wheat squares, four dairy squares, three cattle-ranch squares, and five squares of nomadic herders.

\_\_\_\_\_ How many points can you get?

(Your teacher may ask you to make a report of your results; one way to illustrate your report is to mark your decisions on the map below. Another way is to hit PRNT SCRN after locating your squares; that will store your map on the computer clipboard, and you can open your graphics or word-processing program and paste the map into your report).



The year is now 1970. Population has increased, and you now have to locate all of the squares in the computer simulation.

\_\_\_\_\_ How many points can you get?

If you also did the top map, write a short paragraph to explain what parts of the country had the most changes in land use from 1940 (top map) to 1970 (bottom map).

