

HOMWORK ASSIGNMENT 1

GLOBALIZATION AND LOCAL FOOD SYSTEMS

INSTRUCTIONS: This homework assignment consists of four (4) individual activities, found on the following pages.

- 🕒 Activity 2-1: Fill-in the blank questions
- 🕒 Activity 2-2: Multiple choice questions
- 🕒 Activity 2-3: True or false questions
- 🕒 Activity 2-4: Crossword puzzle

You may complete these activities in any order, however when you type up your answers, they should be typed in the order that they appear above.

You are strongly encouraged to read through the activities before you view the film.

I recommend that you type all of your answers into a document that you can save in a word processing file. This way, you have a record of your work if you experience problems with technology.

Answers to all three activities should be typed into one file – do not create multiple files, as your answers to all four activities will need to be submitted together.

As you complete these activities, and type up your answers, keep the following in mind:

- 🕒 You do NOT need to retype the questions. You only need to submit your answers to the instructor.
- 🕒 You do NOT need to submit a completed crossword puzzle. You only need to submit the list of your answers to the crossword puzzle.
- 🕒 Make sure that the instructor knows which answers are meant for each question. It is recommended that you use the model on the following page to keep this clear and simple.
- 🕒 Answers must be uploaded as one document into Blackboard.
- 🕒 Assignments may NOT be emailed to the instructor.
- 🕒 Assignments will NOT be accepted after the due.

- 🍌 To avoid confusion and ensure that everything is clear, type up your answers using the format below:

Activity 1-1:

1. Your answer to question 1
2. Your answer to question 2
3. Etc...

Activity 1-2:

1. Your answer to question 1
2. Your answer to question 2
3. Etc...

Activity 1-3:

1. Your answer to question 1 (True or False)
2. Your answer to question 2 (True or False)
3. Etc...


Activity 1-4: Across

4. Your answer
6. Your answer
7. Your answer
9. etc...

Activity 1-4: Down


1. Your answer
2. Your answer
3. Your answer
5. etc...

- 🍌 **Any assignment that does not following the above format will have 10 points deducted from the final grade for that assignment.**
- 🍌 And that is it – it’s really quite simple. Just be warned – do NOT wait until the last minute to complete these activities. They will take longer to complete than you think, so start early.
- 🍌 Details about each of the activities are found on the following pages.

 **ACTIVITY 1-1 – FILL-IN-THE-BLANK:** While viewing the film *Fresh*, highlight the major concepts of the film by filling in the missing words in the following statements.

- (Questions 1-15 = 1 point each; 15 points total)
- (Question 16 = 5 points)

1. “American’s only fear one thing – _____.”
2. Find something that works well, and then we continue to use it because it works so well, and, as we say, we begin to apply that same kind of paradigm, the paradigm of _____, specialization, standardization, economies of scale.
3. A monoculture is a lot of the same species grown together without _____.
4. The only reasons that you can grow vast amounts of the exact same species of animal in close confinement is because you use _____ to keep them alive.
5. Once you concentrate animals in these animal cities that we call factory farms or _____ you have all sorts of problems.
6. Medium-sized organic is far more productive than any sized _____ agriculture.
7. In the last ten years, we have had more than 100 million more tons of _____ poured on our crops...
8. Industrial agriculture has caused us to lose over 90% of our _____.
9. It is true that local and organic food costs more. It’s _____ more too.
10. As we have industrialized our food, we have made it cheaper, but we have also diminished it _____.
11. The more your process food, the less _____ it is.
12. Millions of Americans live in food _____ where you can’t find fresh produce.
13. There are only four firms now, soon to be three, processing 83 or 84% of all of the _____ in this country.
14. The more species there are in a field, the less vulnerable it is to _____.
15. Food is at the foundation, but it’s really about _____.
16. In 150-200 words, describe one example from the film that illustrates the connections between FOOD and COMMUNITY.

 **ACTIVITY 1-2 – MULTIPLE CHOICE QUESTIONS:** Based on the information found in the article “Global agriculture towards 2050” choose the BEST answer for each of the following questions.

- (1 point each; 20 points total)

1. The world’s population is expected to increase during the period between 2009-2050 in all of the following areas except:
 - a. Urban areas
 - b. Rural areas
 - c. Developing countries
 - d. Sub-Saharan Africa
 - e. East and Southeast Asia
2. “Nutrition security” is a term that refers to:
 - a. Growing food that has the proper balance of vitamins and minerals
 - b. Ensuring that all countries have equal access to food
 - c. Establishing an international military force to guard food supplies
 - d. The production of foods that are lacking
 - e. Eliminating malnutrition in developing countries
3. Global crop production is expected to increase due to all of the following reasons, except:
 - a. Land expansion
 - b. Climate change
 - c. Higher yields
 - d. Increasing crop intensity
 - e. Increases will be due to all of the above
4. What are some of the benefits listed in support of global agricultural growth?
 - a. Reduction in hunger and poverty
 - b. Increased economic growth
 - c. Support of rural livelihoods
 - d. Creation of new jobs
 - e. All of the above are listed as benefits
5. What is a concern that has been identified regarding the feasibility of the projected increases in crop production?
 - a. Rural populations are declining in land-scarce areas
 - b. Most of the suitable land is located in many countries worldwide
 - c. The potential land available is only suitable to grow a few, select crops
 - d. Much of the available land not in use is ready to plant with crops
 - e. All of the above are concerns

6. By 2050, of the following, which area of the world is projected to continue to have severe issues accessing renewable water resources?
- North America
 - Central Europe
 - Sub-Saharan Africa
 - South Asia
 - Latin America
7. 21st century agriculture faces all of the following challenges, except:
- Larger rural labor force
 - Increased demand for food
 - Larger population to feed
 - Increased demand for feedstocks
 - Threat of climate change
8. The article states that poverty can be reduced by making investments in all of the following, except:
- Insurance systems
 - International aid to developing countries
 - Roads and ports
 - Irrigation systems
 - Social programs and cash transfers for the needy
9. When the incomes of residents in developing countries increases, the demand for which of the following food products is the least responsive?
- Milk
 - Poultry
 - Corn oil
 - Wheat
 - Beef
10. Which of the following is NOT one of the three areas of the world that currently has the greatest number of undernourished people?
- Sub-Saharan Africa
 - East Asia
 - Latin America
 - South Asia
11. According to the article, which of the following helped create the industrial revolutions, and resulting rapid economic growth, in many of the developed nations in the world today?
- Strong federal food laws and policies
 - Low food prices
 - New technologies
 - Food excesses
 - Both B and D

- 12.** Based on future projections, which region of the world will be most dependent on imported food?
- a. North Africa
 - b. East and Southeast Asia
 - c. Latin America
 - d. The Caribbean
 - e. Both C and D
- 13.** As the world produces more food, all of the following dietary changes are seen, except:
- a. Increased consumption of salt
 - b. Increased consumption of micronutrients and fiber
 - c. Increased consumption of saturated fat and sugar
 - d. Increased consumption of calories
 - e. All of the above dietary changes have been seen
- 14.** Absolute “economic” poverty in developing countries is defined as making less than \$_____/day in 2005 prices.
- a. 2.10
 - b. 2.90
 - c. 1.25
 - d. 0.50
 - e. None of the above
- 15.** In countries where the economic basis is based on farming and raising livestock, which of the following sources is most important to the overall growth and development of the country as it moves toward reducing poverty?
- a. International aid from other countries
 - b. Increasing exports
 - c. Increasing imports
 - d. Agricultural growth
 - e. All of the above
- 16.** Current projections suggest that the number of daily calories that could be available for each person in the developed world could reach _____ by the year 2050.
- a. 2003
 - b. 2970
 - c. 2050
 - d. 3050
 - e. 2770
- 17.** Which of the following trends are factors that will lead to greater future food demand and production?
- a. Increase in the number of persons living below the poverty line
 - b. Population growth
 - c. Decline in per capita incomes
 - d. Global economic decline
 - e. All of the above

18. Of the following, which area of the world is projected to have the greatest amount of new farmland by 2050?


- a. North America
- b. Central Europe
- c. North Africa
- d. South Asia
- e. Latin America

19. NCD stands for:

- a. Northern Crop Damage
- b. Niacin/Calcium Deficiency
- c. Nature-Centered Disorder
- d. Natural Cow Dung
- e. Non-communicable Disease

20. By the year 2050, it is projected that _____ persons would still be undernourished.

- a. 823 million
- b. 16.3%
- c. 370 million
- d. 2050 million
- e. None of the above

-  **ACTIVITY 1-3 – TRUE/FALSE QUESTIONS:** Based on the information found in the article “How to feed a hungry world” indicate if each of the following statements are true or false.
- (2 points each; 30 points total)

1. Experts do not believe it will be easy to feed the population of the world in the year 2050.
2. There is currently enough food to feed the entire population of the world.
3. The article states that GM (genetically modified) crops should not be part of a system that supports sustainable agriculture.
4. Farmers in developing nations have difficulty competing globally because of farm subsidies paid to farmers by the OECD.
5. The author states that the lack of food production is the root cause of hunger.
6. Crop rotation and soil management are areas of research that the author recommends.
7. Brazil is one of three countries that currently invest a great deal in funding for agricultural research.
8. In response to the decrease in funding for agricultural research, private companies have refused to partner with the public sector to meet the needs of poorer countries.
9. One promising method in support of a “second green revolution” is to produce new crop varieties that use more water and have higher yields.
10. Funding for public agricultural research was most available in the 1980’s.
11. The 2008 food crisis was a direct result of worldwide food shortages.
12. It is estimated that at least 25% of the food produced in the world is lost or spoiled.
13. The author believes that creating new farmland by clearing wildlands is a good option to increase food production.
14. By the year 2050, the world’s population is expected to grow by 2.1 million people.
15. Lack of roads is listed as a major hindrance to agricultural production in some developing areas of the world.

- (1 point each; 30 points total)

[illegible]

Local Food Markets Crossword Puzzle Clues

Across

4. "fewer food ____"
6. this is disappearing in the United States
7. "higher and more stable farm ____"
9. the supply ____; how food moves from farm to table
11. "more jobs and ____ retained in local economies"
13. "diversification and ____ production"
14. "less global ____"
15. this tends to be eaten more by people who have healthy weights
18. socially ____ farmers
21. "improved access to fresh ____"
22. federal ____ payments
23. labels include free-range, antibiotic-free and ____
24. nutritional value is highest when food is eaten directly after ____
27. lower ____ ____; an environmental advantage of local food
28. demand has outstripped supply of this type of food
29. a health condition that has increased dramatically due to poor diet

Down

1. ____ labor; replaced by technology, machinery, and chemicals
2. high quality, nutrient-____ food
3. market ____; a concern of food producers
5. a process by which nutrients are lost in food
8. local ____ effect
9. a term used to refer to the person who buys food
10. "decreased ____ to widespread contamination and disruption"
12. four of the six top causes of death in the US are related to this
16. lack ____; one reason why poor people have access to less healthy food
17. a term used to refer to the farmer
19. "greater ____ and choice"
20. almost half of all vegetable consumption is made up of this number of foods
25. the number of companies that control 83.5% of the beef industry
26. in addition to inputs and labor, farmers must now pay more for this