GEOG 1101: Dr. Georgeta Connor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chapter 10: Agriculture and Food Section #/Class time: \_\_\_\_\_\_\_\_\_\_\_\_\_

Exercise # 2: **Biotechnology and Agriculture**

This exercise contains 5 questions. 5 points total. Answer all questions as best you can.

Your answers must be typed and submitted an electronic copy to D2L – Assignments and a hard copy (paper) to your professor.

In *Harvest of Fear*, FRONTLINE AND NOVA explore the intensifying debate over genetically modified (GM) food crops. Interviewing farmers and scientists, as well as government regulators, biotech representatives, and critics of biotechnology, this report represents both sides of the debate, exploring the risks and benefits, as well as the hopes and fears, of this technology.

After watching the movie ***Harvest of Fear*,** (<http://www.watchknowlearn.org/Video.aspx?VideoID=38183&CategoryID=11628>)

please answer to each of the following questions.

1. What are the differences between a commercial farm using GM crops and an organic farm (See Minnesota versus California farms)? (1 point)

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1. How biotechnology revolutionized agriculture and what positive and negative impacts have this process? Have the benefits outweighed the cost? (1 point)

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1. What impacts has the GM crops had on the environment? (1 point)

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1. What are your thoughts and feelings about GM food? (1 point)

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1. How does your own community fit into the food supply system (producer, distributer, or consumer of agricultural products)? How does this affect the economy of your community? (1 point)

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**Sources:** Video (*Harvest of Fear*), your textbook, Power Point, your notes, local community information, and other sources, including the Internet.