**Unit 8 Food & Soil Study Guide**

Vocabulary: Define the following terms.

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| Famine | Malnutrition | Green Revolution | Organic Fertilizer |
| Inorganic Fertilizer | Arable Land | Topsoil | Erosion |
| Compost | Pest | Pesticide | GMO |
| Sustainable Agriculture | Domesticated | Aquaculture | Exclusive Economic Zones |

**Critical Thinking: Analyze and give complete answers to the following questions.**

1. What are the three main sources of Calories in the human diet?
2. Describe three health problems or health conditions that are caused by malnutrition.
3. Describe how the Green Revolution changed agriculture.
4. Know the three irrigation methods and their efficiency rates?
5. What are the three main nutrients needed for plant growth?
6. What are the two categories of fertilizers we discussed in class?
7. Why are pesticides becoming less effective?
8. Describe the preferred order of methods in the Integrated Pest Management strategy? (The triangle-Most preferred (top) to last resort (bottom))
9. Describe organic agriculture.
10. Describe two examples of GMO’s. Where did their modified genes come from and describe the trait that was added.
11. What are the two main components of organic and inorganic fertilizers?
12. Be able to discuss the benefits and issues of GMO’s.
13. Describe sustainable agriculture.
14. Describe the process of ‘finishing’ for a beef cow.
15. Where do beef cows start their life and where do they finish their life.
16. What are the two main types of domesticated chickens?
17. What are some alternatives to conventional animal agriculture?
18. Describe two environmental issues that result from conventional animal agriculture.
19. What is the fastest and most efficient way to catch lots of fish, and describe the issues that come from using this method of fishing.

20. How would you convince someone to “choose wisely” when deciding what seafood to choose at the grocery store? What would be some issues you would discuss from the seawatch webquest?