***ENVIRONMENTAL IMPACTS, SUSTAINABLE AGRICULTURE, & FUTURE FOOD SUPPLIES***

**ENVIRONMENTAL IMPACTS OF AGRICULTURE – Ethel Wood p. 149-151**

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| Transforming the Landscape |  |
| Erosion |  |
| Soil |  |
| Vegetation Depletion |  |
| Chemicals |  |

**AQUACULTURE**

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| Harmful Effects of Commercial Aquaculture |
| sustainability |
| ***TED Talk: How I Fell in Love with a Fish – take notes in the space below while watching*** |
| List some of the issues the speaker has with traditional aquaculture. |
| List the ways that the extensive aquaculture of Veta La Palma is different from traditional intensive aquaculture. |
| Why are the farming methods at Veta La Palma more sustainable than traditional aquaculture? |

**SUSTAINABLE AGRICULTURE**

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| Organic |
| Eat Local |
| Value Added |

**FOOD SECURITY (patterns from maps)**

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| WORLD patterns |  | U.S.  patterns |  |
| Food Deserts (what are they, what are the risks to those living in one) | | | |

**LOSS OF AGRICULTURAL LAND**

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| Urbanization, biofuels | | |
| Salinization | What is it? What modern agricultural practice can cause it? | |
| Where? | |
| Desertification | Causes | Where? |
| The Green Wall (planting trees across the Sahel) did not really work…but it did lead to something that IS working. Describe it. | | |
| Compare the use of space and cost of raising cattle on feedlots vs. on cattle ranches. | | |
| Why is the use of fertilizer increasing the most in developing countries? | | |