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AMSCO Chp. 12 Reading Guide, Unit 5

**The Development of Agriculture**

1. What is the earliest known ways humans obtained food?
2. What is agriculture?
3. What marks the first agricultural revolution?
4. What is subsistence farming?
5. When did the Second Agricultural Revolution occur?
6. How did the Second Agricultural Revolution increase food supply?
7. When did the Third Agricultural Revolution happen?
8. What TWO ideas did the Third Agricultural Revolution combine?

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**Centers of Plant & Animal Domestication**

1. What are the FIVE agricultural hearths?

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**Agricultural Hearths**

1. What did Carl Saur argue?
2. What is animal domestication?
3. What is plant domestication?

**Diffusion of the First Agricultural**

1. What did the agricultural hearths create?
2. What is the Columbian Exchange?
3. What TWO new crops were brought to Americas?

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1. What TWO new crops were brought to Afro – Eurasia?

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**Physical Geography & Agriculture**

1. What FIVE ways have farmers altered the landscape?

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1. What do animals and crops need?
2. How can latitude, longitude, and soil type impact agriculture?
3. What THREE landforms limit agriculture?

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**Humans Altering the Landscape for Agriculture**

1. What is terrace farming?
2. What THREE ways does terrace farming help the farmer?

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1. What can happen in a heavy storm?
2. Terrace farming in China is used for what crop?
3. Terrace farming in Africa is used for what crop?
4. Terrace farming in South America is used for what crop?

**Managing Water**

1. What is irrigation?
2. What methods did Mesopotamia and Egypt use to irrigate?
3. What THREE problems can irrigation cause?

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1. What TWO regions use extensive irrigation?

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1. What is carrying capacity?

**Clearing Trees & Other Vegetation**

1. What is deforestation?
2. What THREE places experience the most deforestation?

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1. What is desertification?
2. How do rainforests help our atmosphere?
3. What is slash – and – burn agriculture?
4. What does the ash provide?
5. What is this agricultural technique also called?
6. Why is large scale shifting cultivation bad?
7. What did the US farmers do to the Great Plains?
8. What happened to the top soil?
9. What is this environmental disaster known as?

**Recent Trends**

1. What is commercial agriculture?
2. What does commercial agriculture damage most?

**Impact of the Second Agricultural Revolution**

1. What did the Second Agricultural Revolution involve?
2. Where did it begin?
3. What TWO new technologies increase food supply?

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**The Effects of Technology**

1. What THREE impacts have come from better food production technologies?

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1. What increased in industries?
2. Where did people migrate to for jobs?

**Land Usage & Farming Advances**

1. What are the Enclosure Acts?
2. What happened to traditional lifestyles?

**Agricultural Changes & Shifting Demographics**

1. What happened to the number of farms over time?

**Third Agricultural Revolution**

1. What THREE things began to the Third Agricultural Revolution?

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**The Green Revolution**

1. What is the Green Revolution?
2. What THREE crops benefitted most from the Green Revolution?

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1. What is a double crop?
2. What TWO things increased in use due to the Green Revolution?

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**Hybrids**

1. What is seed hybridization?
2. What is the point of seed hybridization?
3. Who is the chief architect of the Green Revolution?

**GMOs**

1. What does GMO stand for?
2. What are THREE reasons why GMOs are developed?

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1. Why are people upset with GMOs?

**Machinery**

1. What FOUR pieces of technology was introduced to the developing world?

**Positive Impacts of the Green Revolution**

1. What happened to the global food supply?
2. What THREE things did the increased food supply impact?

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**Higher Yields**

1. What FOUR places benefitted most from the Green Revolution?

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**Food Prices**

1. How did the Green Revolution affect food prices?

**Negative Consequences of the Green Revolution**

1. What THREE ways did the Green Revolution negatively impact the developing world?

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1. What happened to soil nutrients and the water table in these areas?
2. How did machinery damage the developing world?

**Green Revolution’s Impact on Gender Roles**

1. What gender provides the agricultural labor in traditional economies?
2. What gender dominates the political and economic realm of traditional societies?
3. What gender learned about new technology and machinery?
4. What gender was further marginalized in traditional societies?

**Economic Changes**

1. What happened to the cost of production over time?
2. Where do rural people begin to migrate to?

**Green Revolution’s Poor Success in Africa**

1. Why did the Green Revolution fail in Africa’s environment?
2. What did Africa lack to help facilitate the Green Revolution?
3. What SIX crops essential to Africa were excluded from hybridization research?

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1. What is a constant problem Africa faces since the Green Revolution failed?