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# Agriculture Day 2

Wednesday, January 29

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# Objectives

**Content:** I can explain how the geography of luck influenced the development of agriculture and later civilizations.

**Language:** I can compare agricultural and climate regions.

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# **Subsistence v. Commercial**

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# Subsistence vs. Commercial



## Subsistence

- Family or social group works together
- People live on the food they grow
- Small surplus traded or sold



## Commercial

- Products raised for market
- Low consumption of food by farmer



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# Extensive vs. Intensive



## Extensive

- A lot of land
- Less labor needed
- **Examples:**
  - Slash and burn farming
  - Nomadic herding

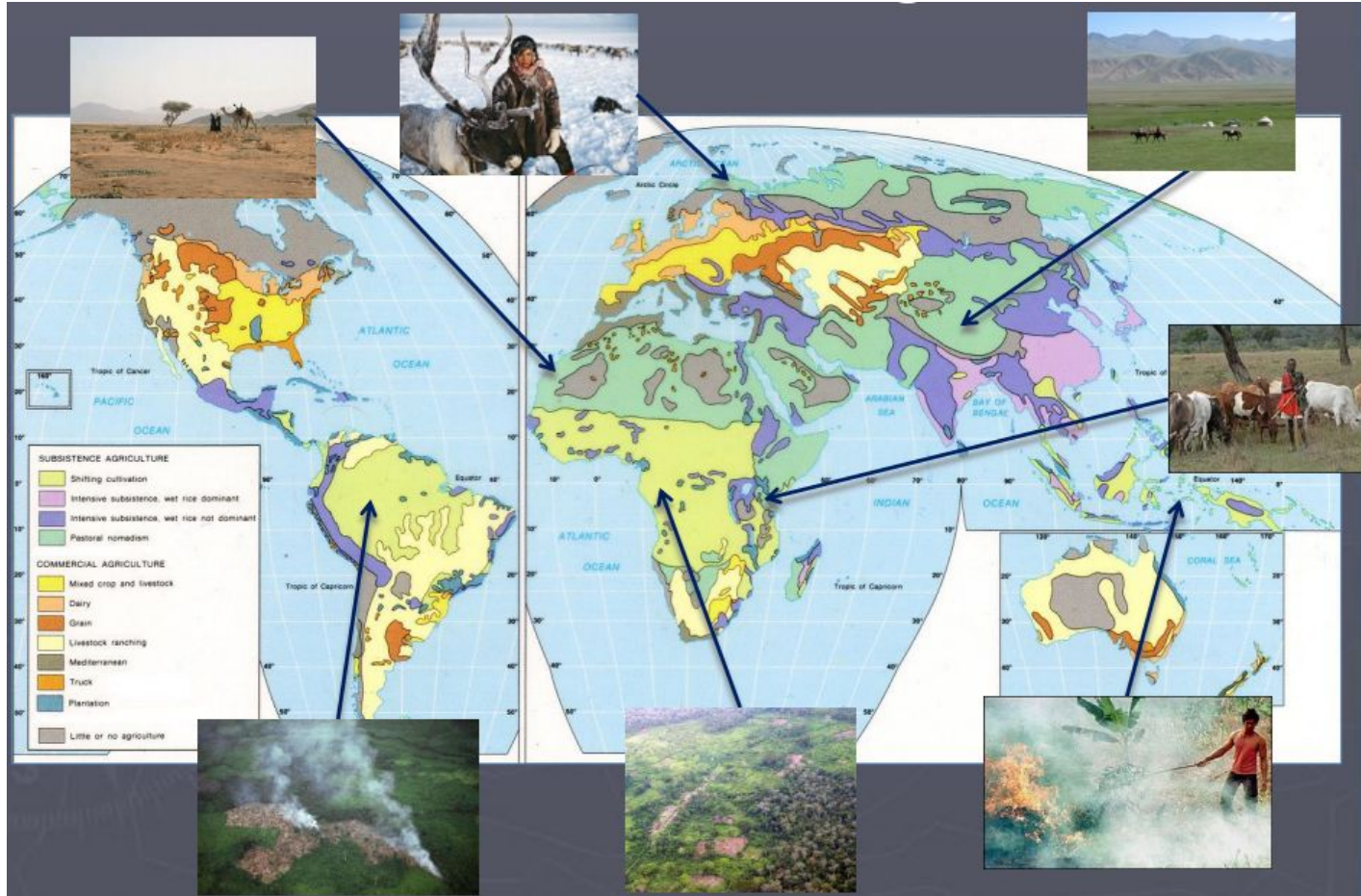


## Intensive

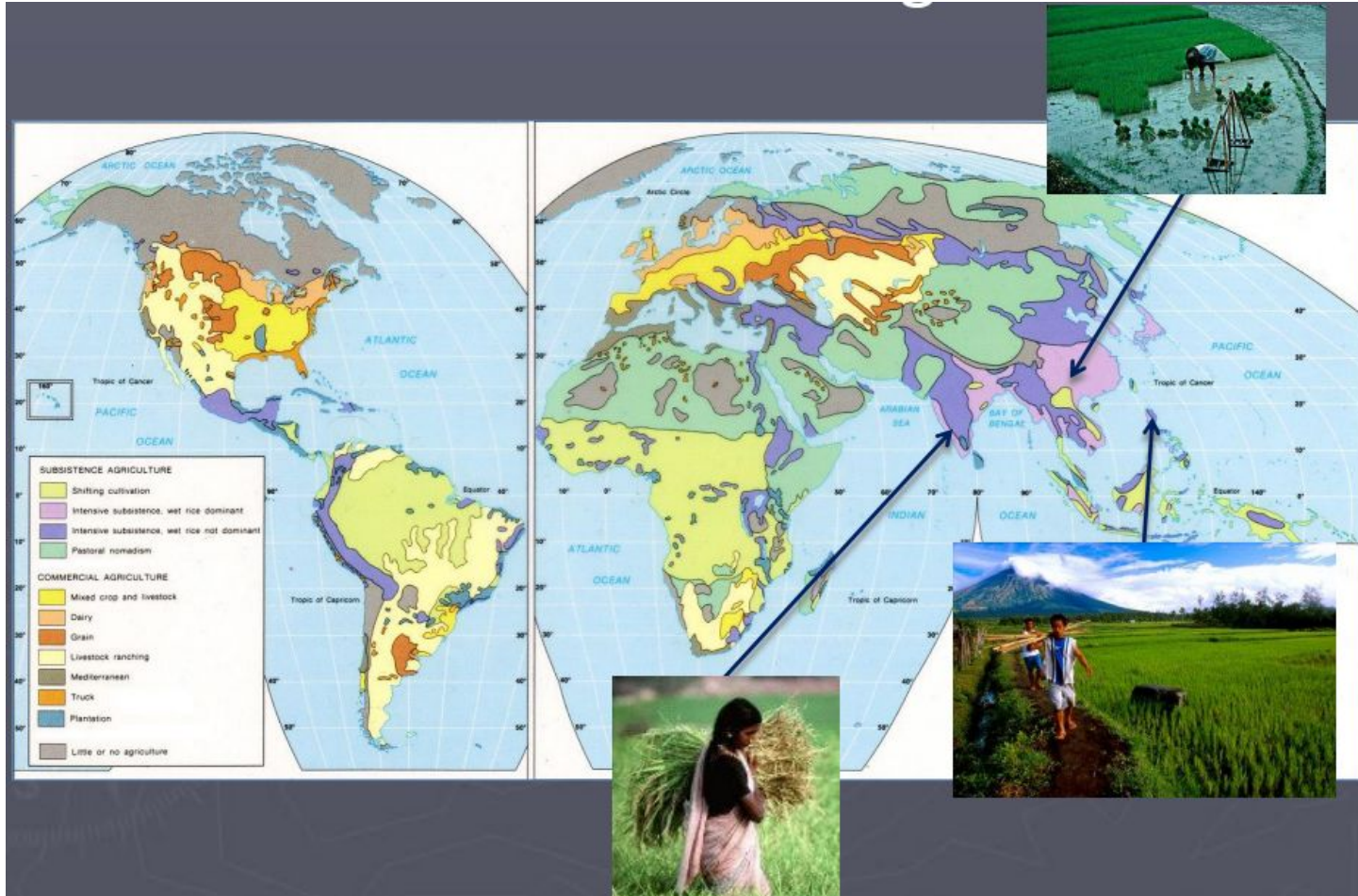
- Small amount of land
- Lots of labor needed
- **Example:**
  - Wet rice



# Extensive subsistence Agriculture



# Intensive Subsistence agriculture



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# Shifting Cultivation



- Also called slash-and-burn or swidden
- Practiced in Tropical rainforests
  - Amazon
  - Congo
  - East Indies



## PROCESS

- Cut down non-useful trees/shrubs
  - Burn felled trees to release nutrients into the soil
  - Clear space and till soil for agriculture
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# Problems of Shifting Cultivation

- Sustainability

- Land is only productive for 2-5 years
- Then needs to sit **fallow** for 15-20 years

- **FALLOW = soil left to rest and replenish without any crops growing in it**

- Inefficient

- 20% of the land is used to feed only about 5% of the population

- Deforestation

- Loss of native flora and fauna



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# Wet-Rice Cultivation (**Intensive subsistence**)



- Paddy rice farming
- Tropical regions, nutrient rich with **monsoon seasons**
  - China
  - Philippines
  - India



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# Labor Intensive process

- **Field Preparation**
  - Build, repair, clean canals, and dikes
  - Plow and smooth soils in paddies
  - Grow seedlings in nursery
- **Planting**
  - Plant seedlings
  - Raise water level as plants grow
  - After flowering, water level is lowered
- **Harvesting**
  - Rice stalks are hand picked



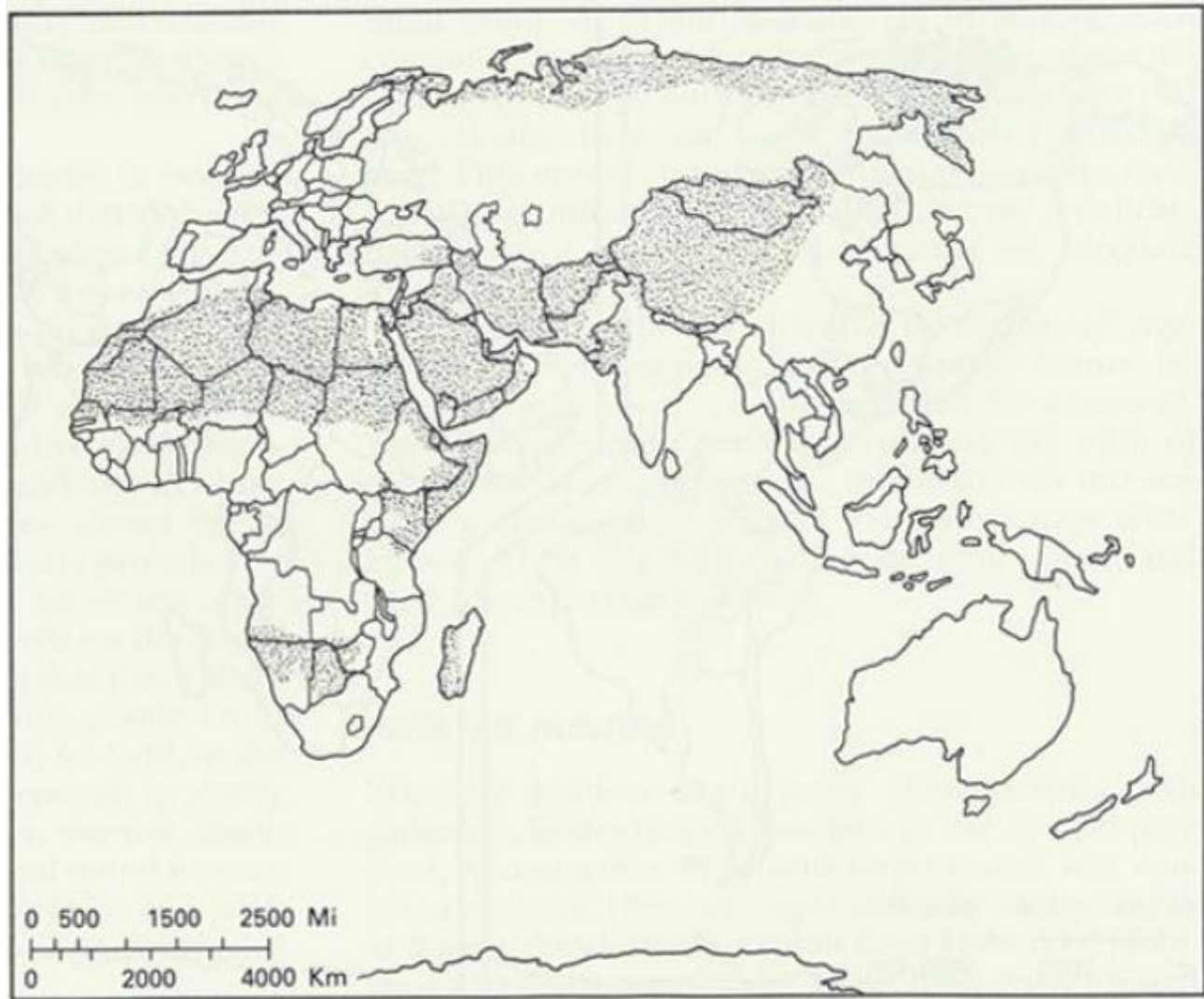
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# Nomadic Herding (**EXTENSIVE subsistence**)

- Starting to change from mostly subsistence to a wage-earning business
- **Arid, Semi-arid, and Arctic Regions**
- Migratory based on trend of herds
  - **Horizontally** - across a large area
  - **Vertically (TRANSUMANCE)** - changes in elevation
- **Declining lifestyle**
  - Cultural diffusion and governmental regulations are making it difficult to be a nomadic herder



# Location of Nomadic Herding Agriculture



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Maps are on  
the APHG  
blog!

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# Climate and Commercial Agriculture Activity

- Use the maps ON MY WEBSITE to complete the chart and answer the questions about different climate zones.
  - Identify where in the world this zone is found.
  - What agricultural practices are found there?
    - Shifting cultivation?
    - Cash crops?
    - Plantations?
    - Grazing? Etc.
  - What specific crops/animals/products are produced there?
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