

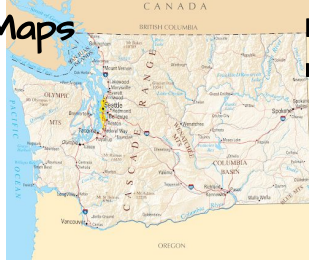
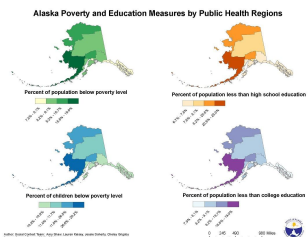
Unit 1 Thinking Geographically



APHuG Exam Review

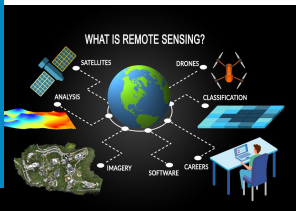
1.1 Introduction to Maps

I can identify maps and information on maps

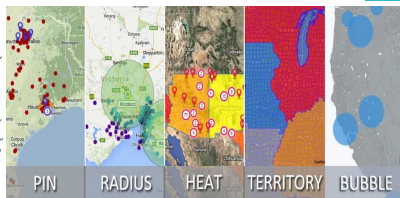
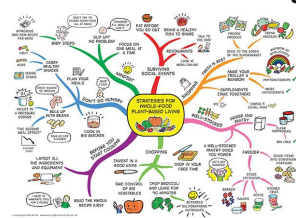


Which is which?

I can identify different methods of geographic data collection



GIS vs Remote Sensing



Visual Mapping / Online Mapping

I can identify spatial patterns and relationships portrayed in maps

3. absolute and relative directions:

absolute direction: north, south, east, west
relative direction: "the middle east," "west coast," "deep south"

4. absolute and relative distance:

absolute distance: cm, km, miles
relative distance: measured by time

Clustering
Dispersal
Elevation

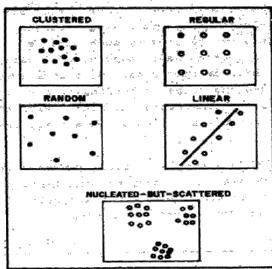


FIG.22: ILLUSTRATION OF SPATIAL PATTERNS

I can identify how map projections distort spatial relationships

Map projection examples are LOCATED IN YOUR GRAND REVIEW



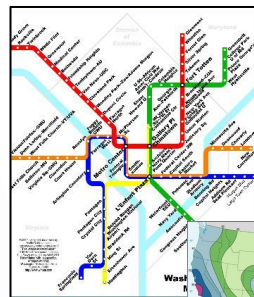
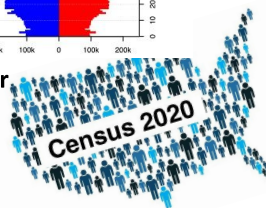
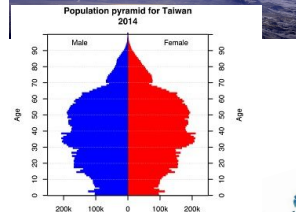
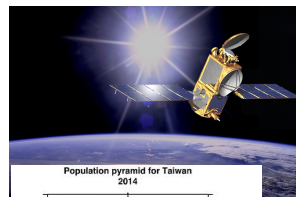
I can define major geographic concepts that illustrate spatial relationships

- Absolute and relative locations

What do you think?



Qualitative or Quantitative?



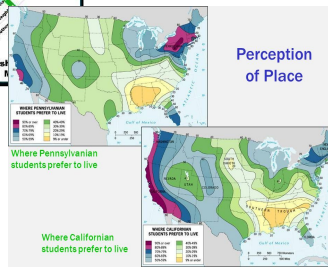
• FLOW



• PLACE

I can explain the geographical effects of decisions made using geographical information such as:

&





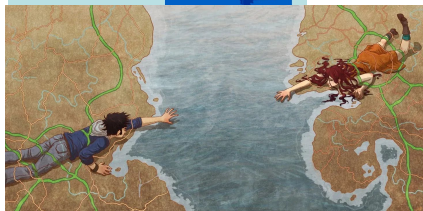
1.4 CONTINUED

Space-time compression:

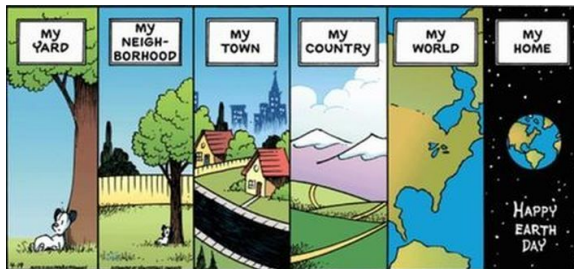
- The reduction in time it takes for something to reach another place
- Because of technology, connections have reduced distance (not literally in miles, but in space)



Distance decay



1.6 Scale of analysis



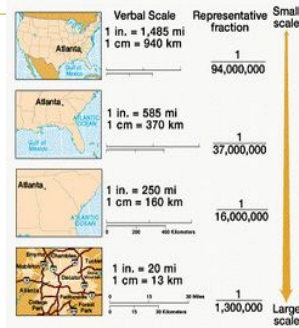
I can define scales of analysis used by geographers

○ _____ ○ _____

○ _____ ○ _____

Maps Scale

- Larger the area shown
□ = smaller scale
- Smaller the area shown
□ = larger scale



I can explain what scales of analysis reveal

○ _____

○ _____

○ _____

1.7 Regional Analysis

I can identify and explain the types of regions

Regional Analysis

- Formal regions
- Functional regions
- Perceptual regions

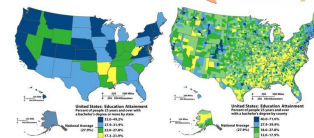


Figure 1.1.1. Source: Bureau of Economic Analysis, 2001-2005. © 2006 Wiley & Sons, Inc. All rights reserved.

Petroleum Administration for Defense Districts



I can describe different ways that geographers define regions

○ _____

○ _____

I can explain how geographers apply regional analysis at local, national, and global scales

Pneumatic Emergency Ventilator Market 2020: Global and Regional Analysis by Top Key Market Players, Key Regions, Product Segments, and Applications by 2026

GLOBAL MARKET SIZE 2020



1.5 Human Environment Interaction

I can explain theories about how humans interacted with natural environments

Environmental

Environment determines Cultural Factors

Environmental

Environment selective of Cultural Factors Limits

I can explain how major geographic concepts illustrate spatial relationships.



○ _____

○ _____

○ _____



Unit 2 Population and Migration

Patterns and Processes



APHuG Exam Review

The collage features 14 images related to landforms and water bodies. The top row includes 'Rivers', 'Lakes', a title card 'LANDFORMS' with a grid of 12 smaller images, 'Ponds', 'Oceans', and another 'Lakes' grid. The bottom row includes 'Mountains' and several more 'Lakes' grids. The images show various natural features like rivers, lakes, ponds, oceans, mountains, and different types of landforms.

I can Identify the factors that influence the distribution of human populations at different scales.

social
political
economic

I can explain how population distribution and density affect society and the environment.

I can explain the factors that account for contemporary and historical trends in population growth and decline.

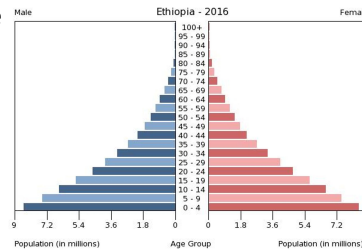
2.4 Population Dynamics



A population's growth and decline are based on

2.3 Population Composition

**I can describe
elements of
population
composition
used by
geographers.**

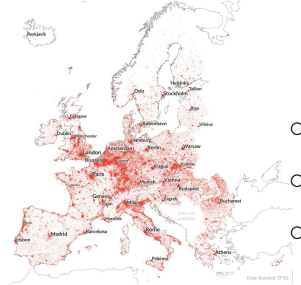


MORE THAN MEETS THE EYE!

It isn't just a pyramid. It shows patterns of _____ structure and _____ ratio which vary across different _____ and may be mapped and analyzed at different _____. They look at population _____ and _____ to make predictions.

Areas with 250 people or more, per sq. km.

**I can define methods
geographers use to
calculate population
density**



I can explain the differences between and the impact of methods used to calculate population density

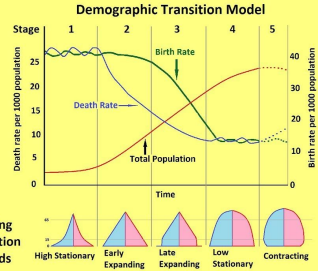
information about the pressure the population exerts on the land.

and _____.

Doubling Number	Population	Year	ROI %	Doubling Time (Years)
0	1	3,000,000 BP	0.0001	500,000
1	2	2,500,000 BP	0.0001	500,000
2	4	2,000,000 BP	0.0003	250,000
3	8	1,750,000 BP	0.0003	250,000
4	16	1,500,000 BP	0.0005	125,000
5	32	1,250,000 BP	0.0005	125,000
6	64	1,000,000 BP	0.0007	100,000
7	128	900,000 BP	0.0007	100,000
8	256	800,000 BP	0.0007	100,000
9	512	700,000 BP	0.0007	100,000
10	1,024	600,000 BP	0.0007	100,000
11	2,048	500,000 BP	0.0007	100,000
12	4,096	400,000 BP	0.0007	100,000
13	8,192	300,000 BP	0.0014	50,000
14	16,384	250,000 BP	0.0014	50,000
15	32,768	200,000 BP	0.0014	50,000
16	65,536	150,000 BP	0.0014	50,000
17	131,072	100,000 BP	0.0014	50,000
18	262,144	50,000 BP	0.0028	25,000
19	524,288	25,000 BP	0.014	5,000
20	1,048,576	20,000 BP	0.014	5,000
21	2,097,152	15,000 BP	0.028	2,500

Geographers use RNI (crude death rate - crude birth rate) and _____ to explain _____ and _____.

2.5 The Demographic Transition Model



I can explain theories of population growth and decline.

Epidemiologic Transition

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Infectious and parasitic diseases	Receding pandemics	Degenerative and man-made diseases	Delayed degenerative diseases	Potential resurgence of infectious diseases due to globalization
Accidents and animal attacks	Sanitation, nutrition, medicine lead to lower CDR	Heart disease, cancer, diabetes, obesity	Extend life expectancy due to medical advances	
"Natural checks" on population				
INFECTIOUS DISEASES		CHRONIC DISEASES		

I can explain the intent and effects of various long - and short-term population and immigration policies on population size and composition.

2.7 Population Policies



2.8 Women and Demographic Change



I can explain how the changing role of females has demographic consequences that have reduced fertility rates in most parts of the world.

I can explain how the changing social, economic, and political roles for females have influenced patterns of fertility, mortality, and migration

2.9 Aging Populations

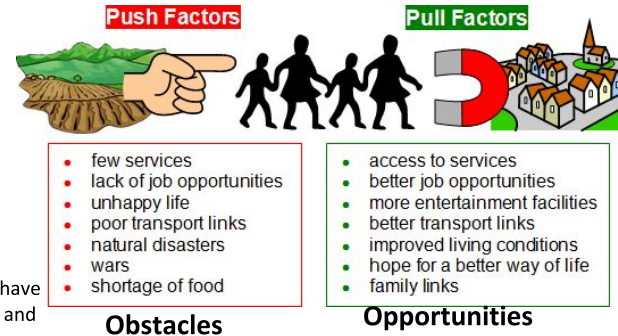
I can explain the causes and consequences of an aging population.



What does this graphic show?

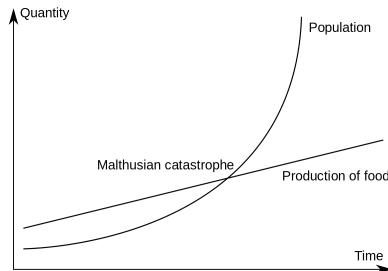
2.10 Causes of Migration

I can explain how different causal factors encourage migration.



2.6 Malthusian Theory

I can explain theories of population growth and decline used to analyze population change and its consequences.



Unit 3 Cultural Patterns and Processes



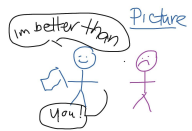
APHuG Exam Review

3.1 Introduction to Culture

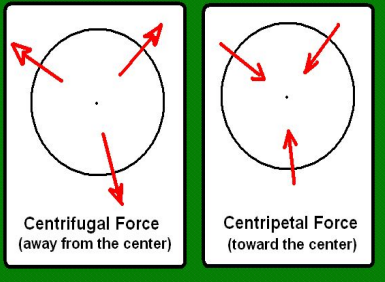
I can define the characteristics, attitudes, and traits that influence geographers when they study culture.



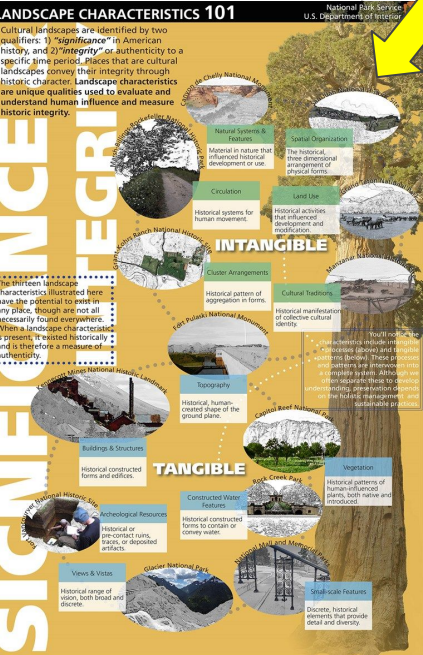
Culture is the shared _____
_____ and _____
_____ of a society.



3.3 Cultural Patterns



3.2 Cultural Landscape



I can describe characteristics of cultural landscapes.



The cultural landscape features impact all of the following:

I can explain how landscape features & land/resource use reflect cultural beliefs & identities & help shape the use of space in a given society.



How does the hat above fit into diffusion?

3.4 Types of Diffusion

I can explain how patterns & landscapes of language, religion, ethnicity, & gender shape the global landscape.

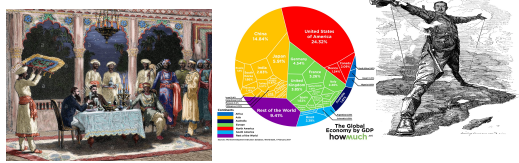


I can define the interaction of people through the types of diffusion that contribute to the spread of cultural practices.

Let's play Name that Diffusion!

3.5 Historical Causes of Diffusion

I can explain how historical processes impact current cultural patterns.



↑↑↑ These led to those ↓↓↓



3.8 Effects of Diffusion

I can explain how the process of diffusion results in changes to the cultural landscape.



? _____



? _____



? _____



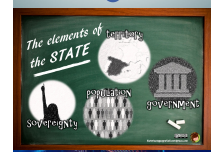
? _____

3.6 Contemporary Causes of Diffusion

I can explain how cultural ideas and practices are socially constructed and change through both small-scale and large-scale processes.



ENGLISH



3.7 Diffusion of Religion

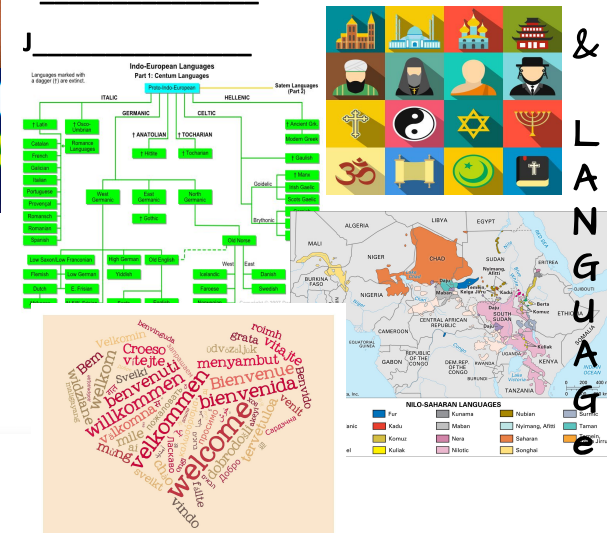
I can explain what factors led to the diffusion of universalizing and ethnic religions.



Universalizing religions spread thru expansion and relocation. They are:

Ethnic religions are found near the hearth or spread thru relocation. They are:

C _____
I _____
B _____
S _____
H _____
J _____



Unit 4 POLITICAL

Patterns and Processes



APHuG Exam Review

4.1 Introduction to Political Geography

I can define the different types of political entities for world political maps and I can identify a contemporary example of political entities.



Identify examples on the map above: Nation, nation-state, stateless nation, multinational state, multi state nation, autonomous region, semi-autonomous region, American Indian reservation

4.2 Political Processes

I can explain the processes that have shaped contemporary political geography and have influenced contemporary political boundaries.



4.4

Defining Political Boundaries

I can define political boundaries used by geographers.

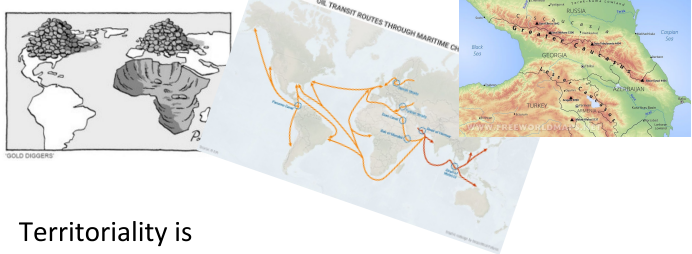


R, S, S, A, G, C
OLD
FORCED
AFTER
BEFORE
REGULAR
THEREFORE

I can describe the concepts of political power and territoriality as used by geographers.

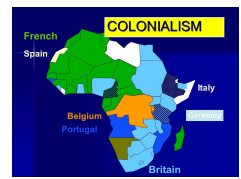
4.3 Political Power and Territoriality

NEOCOLONIALISM



Territoriality is

4.5 Function of Political Boundaries

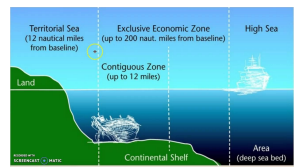


I can explain the nature and function of international and internal boundaries.

Boundaries are defined like _____, delimited like _____, and demarcated like _____.

Can be land or maritime and be divided by

social
political
economic



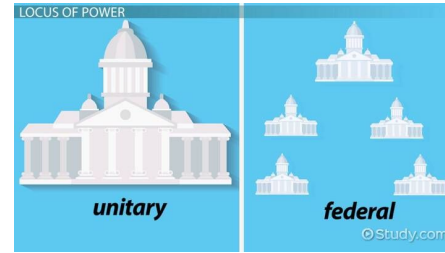
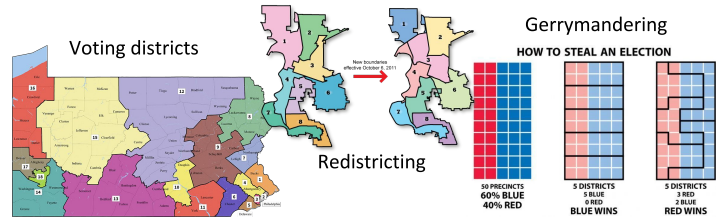
4.6 Internal Boundaries

4.7 Forms of Governance

4.8 Defining Devolutionary Factors

I can define federal and unitary states.

I can define factors that lead to the devolution of states.



1. _____
2. _____
3. _____
4. _____



I can explain the nature and function of international and internal boundaries.

4.9 Challenges to Sovereignty

_____ power vs. _____ power

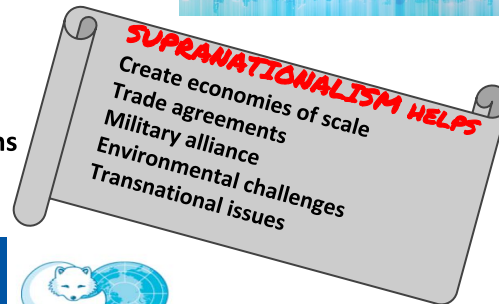
I can explain how political, economic, cultural, and technological changes challenge state sovereignty.



DEVOLUTION



EXAMPLES OF EACH



Who's Who of Supranational Organizations



4.10 Consequences of Centrifugal and Centripetal forces

I can explain how the concepts of centrifugal and centripetal forces apply at the state scale.



Centrifugal Forces Divide a State

- Ethnic Conflict
- Social Injustice
- Poverty
- Dictatorial Leadership
- Religious Intolerance
- Nationalism
- Loss of Rights
- Any Other Divisive Force



Centripetal Forces



Centripetal Forces Hold a State Together

- Ethnic Unity and Tolerance
- Social/Economic Equity
- Just and Fair Legal System
- Charismatic Leadership
- Religious Acceptance
- Nationalism
- Common Heritage
- Common Language
- Any Other Unifying Force



Unit 5 AGRICULTURE and RURAL LAND-USE

Patterns and Processes



APHuG Exam Review

5.1 Introduction to Agriculture

I can explain the connection between physical geography and agricultural practices

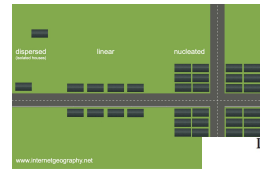


- INCREASED FOOD PRODUCTION
- ALLOWED FARMERS TO DO FACTORY WORK IN URBAN AREAS
- INNOVATIONS
- CROP ROTATION
- FERTILIZERS
- TRACTORS

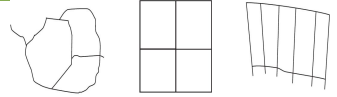


5.2 Settlement Patterns and Survey Methods

I can identify different rural settlement patterns and methods of surveying rural settlements.



Land Survey Patterns in North America

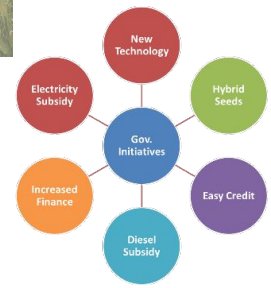


Metes and Bounds Township and Range Long lots

5.5 The Green Revolution

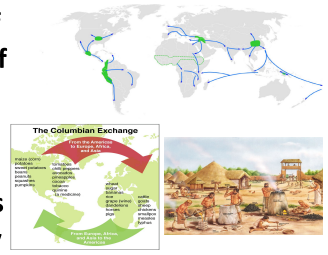


I can explain the consequences of the Green Revolution on food supply and the environment in the developing world.

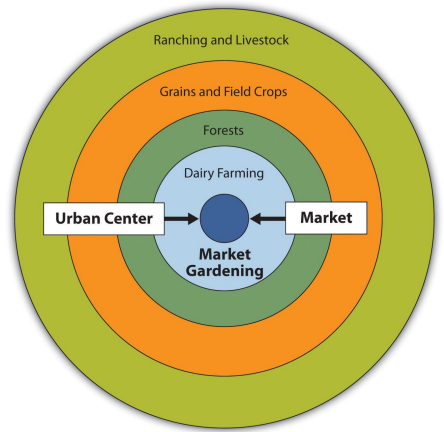


5.3 Agriculture Origins and Diffusion

I can identify major centers of domestication of plants and animals and explain how plants & animals diffused globally

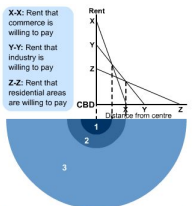


5.8 Von Thünen Model



I can describe how the von Thünen model is used to explain patterns of agricultural production at various scales.

5.6 Agricultural Production Regions



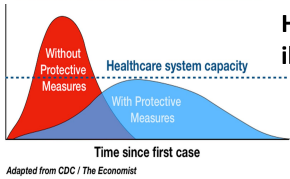
1: CBD with commerce and offices
2: Industry
3: Residential with highest density nearest centre

BASIS FOR COMPARISON	INTENSIVE FARMING	EXTENSIVE FARMING
Meaning	Intensive Farming refers to an agricultural system, wherein there is high level use of labor and capital, in comparison to the land area.	Extensive Farming is a farming technique, in which large farms are being cultivated, with relatively lower inputs, i.e. capital and labor.
Population	It is practiced in densely populated region.	It is practiced in moderately populated region.
Land holding	Small and expensive	Large and inexpensive
Farmland	Near to the market	Remotely located
Per hectare output	Large	Small

I can explain how economic forces influence agricultural practices.



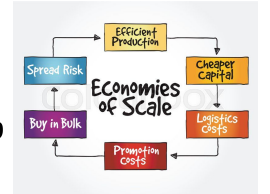
5.7 Spatial Organization of Agriculture



Adapted from CDC / The Economist



I can explain how economic forces influence agricultural practices.



How does this graphic of COVID-19 illustrate carrying capacity?

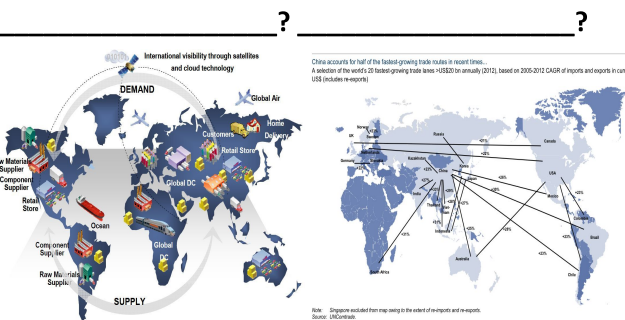
5.10 Consequences of Agricultural Practices

I can explain how agricultural practices have environmental and societal consequences and alter the landscape.

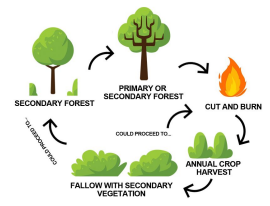
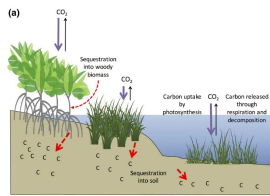


5.9 The Global System of Agriculture

I can explain the interdependence among regions of agricultural production and consumption.



Environmental effects and agricultural practices

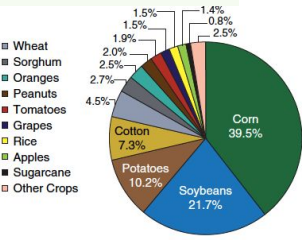
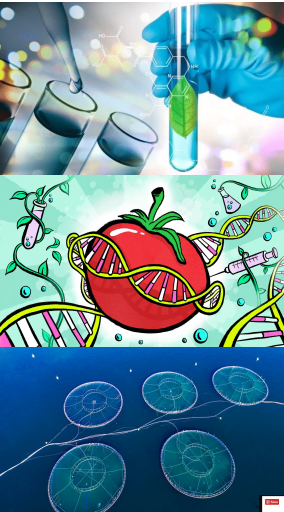


5.1 Challenges of Contemporary Agriculture

I can explain challenges and debates related to the changing nature of contemporary agriculture and food-production practices.

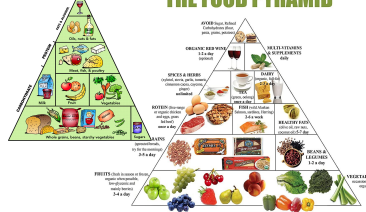
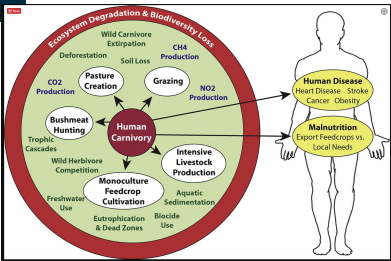
Innovations

Debates



Changing diets, the role of agricultural production, and economic purpose are...

...societal effects of agricultural practices.



1. _____ These locations all have economic effects on food-production practices

2. _____

3. _____

4. _____

5.12 Women in Agriculture



I can explain geographic variations in female roles in food production and consumption.