

TAKE OUT YOUR  
CNN STUDENT  
NEWS PAPER!!!!!!!

A satellite-style map of Europe and its surrounding regions, including parts of North Africa and the Middle East. The landmasses are shown in various shades of green and brown, indicating vegetation and terrain. The surrounding oceans are dark blue. The text is overlaid on the map.

# Physical Geography: EUROPE

A CONTINENT OF  
PENINSULAS AND  
ISLANDS

# WHAT IS A PENINSULA?

- Europe is composed of many peninsulas (land with water on 3 sides)
- The Scandinavian Peninsula—  
Norway and Sweden
- The Jutland Peninsula—  
Denmark and a small part of  
Germany
- Southern Europe=3 main  
peninsulas:
  - 1. Iberian Peninsula
  - 2. Italian Peninsula
  - 3. Balkan Peninsula





# WHAT IS A FJORD?

- In Norway, glaciers carved out of fjords (fyord), which are steep U-shaped valleys that filled with seawater after the ice melted.









# WHAT IS AN ISLAND?



- Larger islands:  
Great Britain,  
Ireland, Iceland,  
and Greenland
- Smaller islands:  
located in the  
Mediterranean  
Sea...Corsica,  
Sardinia, Sicily, and  
Crete



# MOUNTAINS CHAINS

- The most famous mountain chain in Europe is The Alps
  - Spread across France, Italy, Germany, Switzerland, Austria and northern Balkan Peninsula
  - Cut off Italy from the rest of Europe



- How is this going to influence Italy's development??



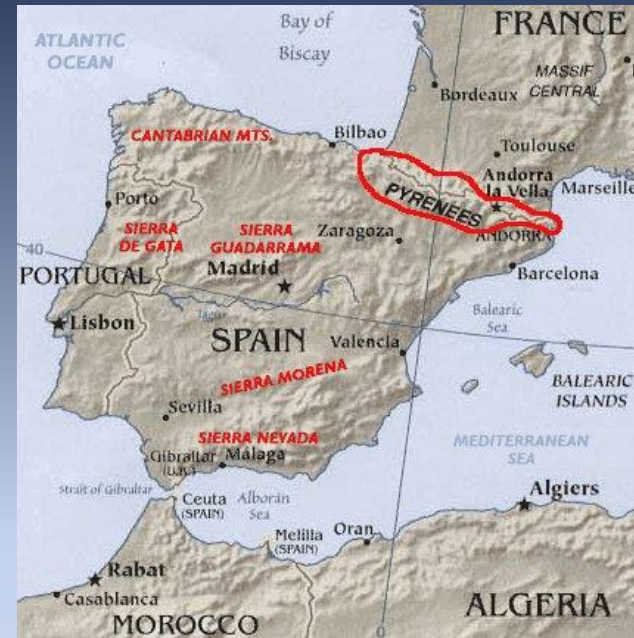






# MOUNTAINS CHAINS

- The Pyrenees Mountains
  - Cut off Spain and Portugal



## The Balkan Mountains

- Block Balkan Peninsula and isolate various ethnic groups



# RIVERS: EUROPE'S LINKS

- Network of rivers that brings people, goods, and ideas together
- Rhine River
  - Flows 820 miles from interior of Europe to the North Sea
- Danube River
  - Cuts across Europe 1,771 miles, touching 9 countries









# NORTHERN EUROPEAN PLAIN

- One of the most fertile agricultural plains in the world
- Why would this area be important to militaries throughout Europe?





# EUROPE'S RESOURCES

- Abundant in coal and iron ore.
  - What important material do these 2 things make?



Where are major petroleum deposits found in Europe?

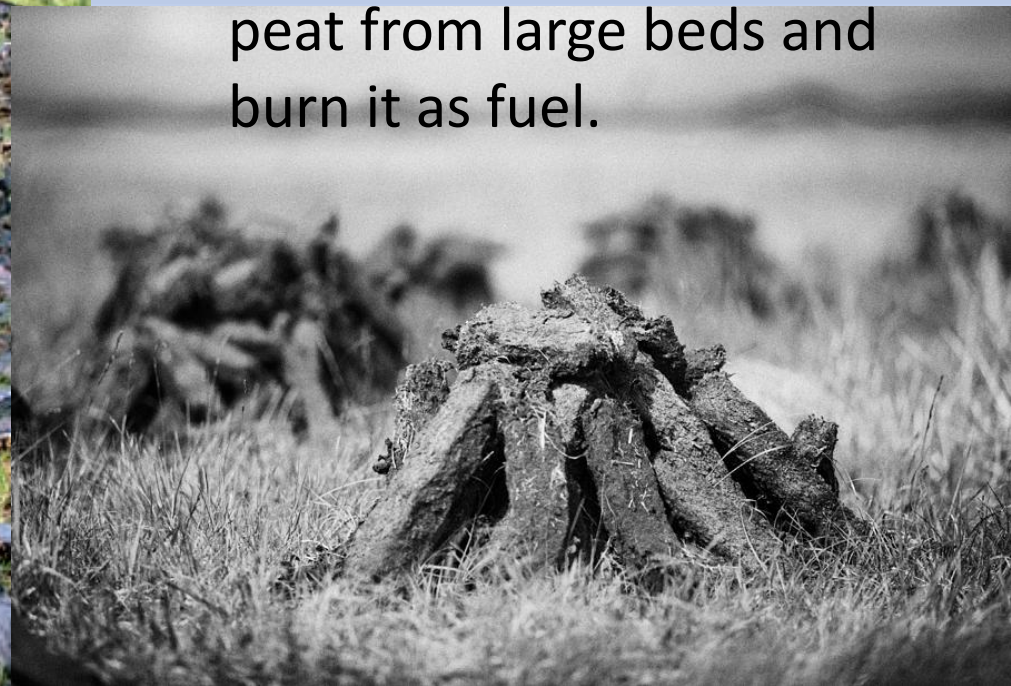
Which countries have few natural resources?

# RESOURCES SHAPE LIFE

- A Peat bog is wet spongy ground of decomposing vegetation; has poor drainage; soil is unfit for farming but can be cut and dried and used for fuel



Because Ireland lacks energy resources, they cut peat from large beds and burn it as fuel.



**PLACE** Harvesting peat is common in Ireland because other fuel sources are scarce.  
**Why is it cut in blocks?**

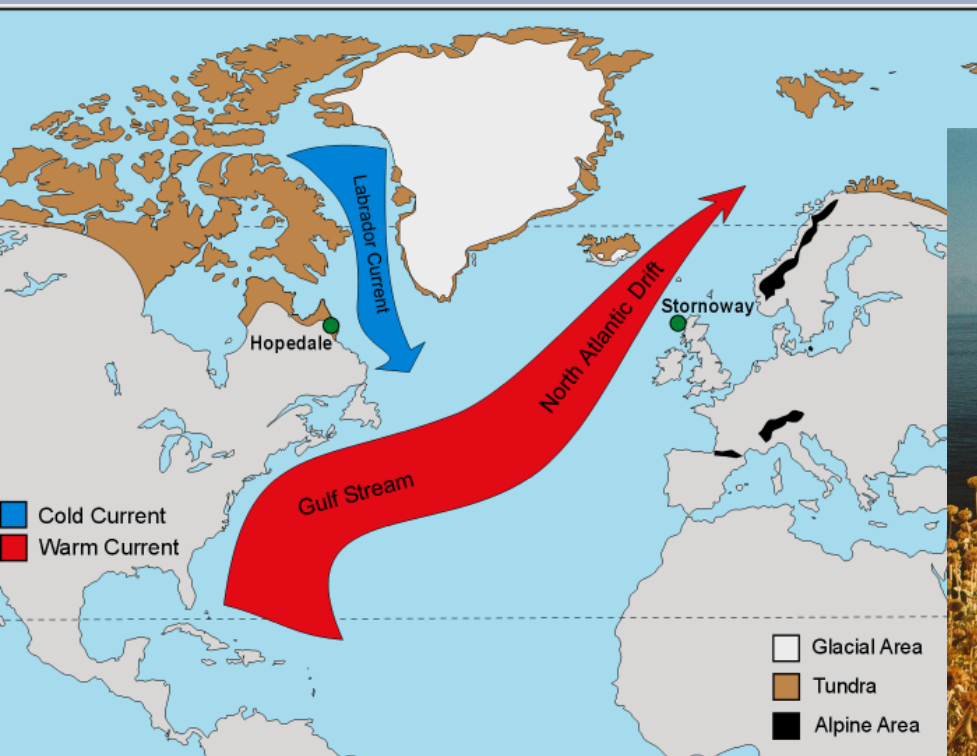


# CLIMATE

- Most of Europe has a marine west coast climate

What brings Europe warm winds and adequate rainfall?

- The sunny Mediterranean climate attracts people to live and vacation around the Mediterranean Sea



# CLIMATE

- Far north in Scandinavia, the Arctic Circle brings cold, snowy winters in a humid continental climate.



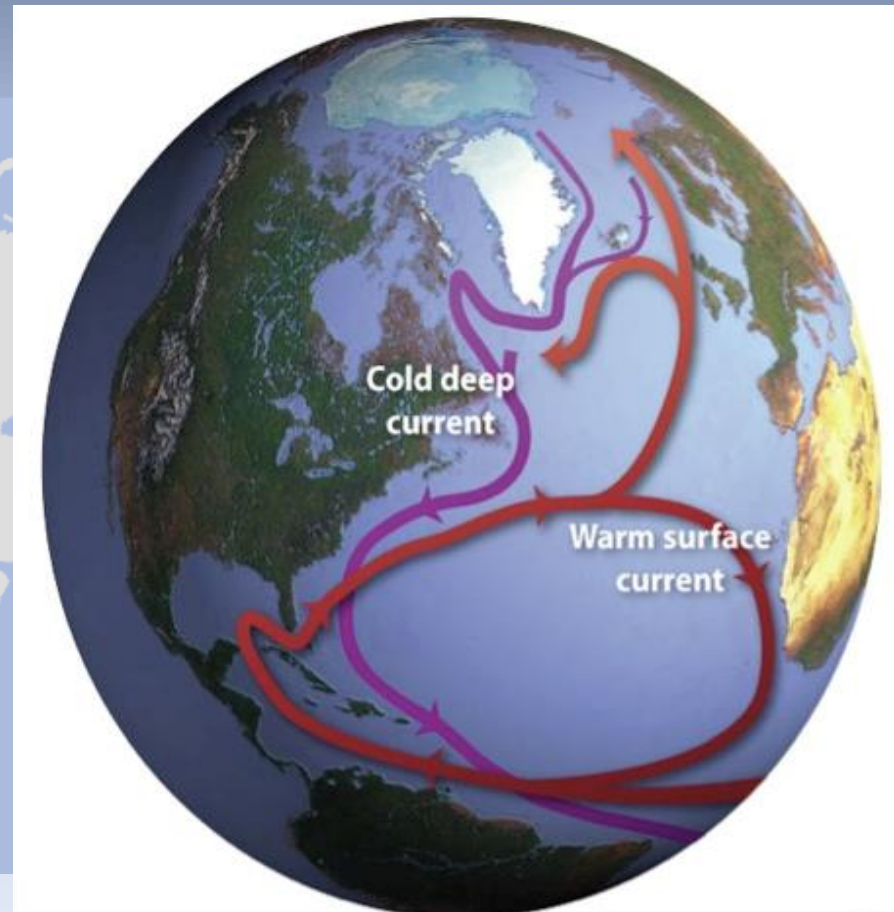
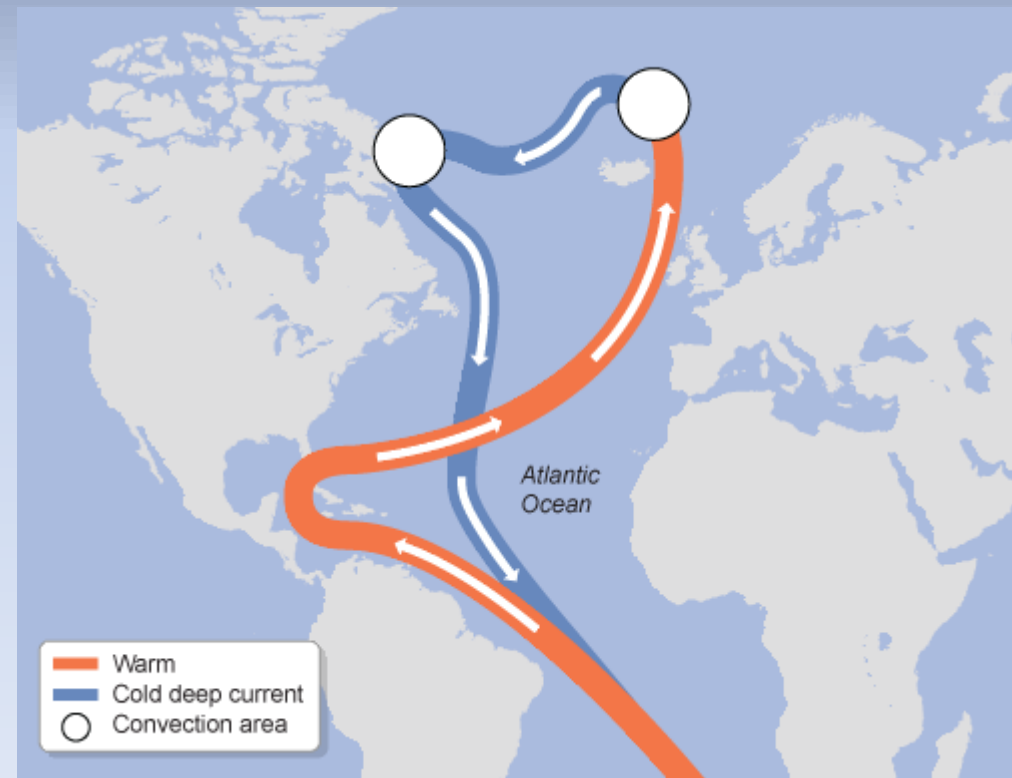
**PLACE** In the village of Jukkasjärvi, Sweden, the Ice Hotel is built every winter out of 10,000 tons of ice and 30,000 tons of snow. How does climate make this possible?





# NORTH ATLANTIC DRIFT

- Current of warm water from the tropics
- Warms the climate in Europe and carries moisture to bring rainfall

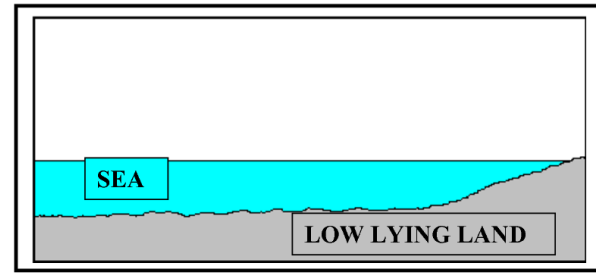


# POLDERS: LAND FROM THE SEA

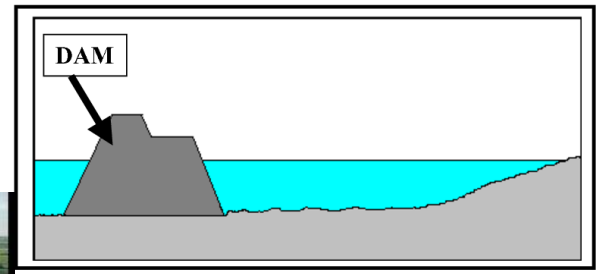
The Dutch needed more land for their growing population



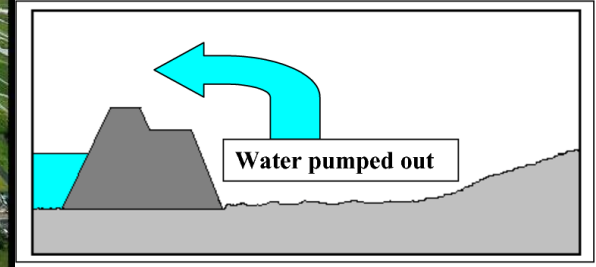
## How to make a polder



1. Low lying land is selected for reclamation



2. A Dam is built. This will eventually protect the polder from the sea.  
  
The Barrier Dam in Holland is 90m wide on top and carries a motorway.



3. The sea water is pumped out of the area being reclaimed using pumps.  
  
The dam has PUMP HOUSES which regularly remove water from the polder.



## Making a Polder

1

Earthen dikes are built around a shallow area of water.

2

The water is gradually pumped away and drained off the land.

3

Seawater leaves salt in the soil. Rain gradually washes the salt away.

4

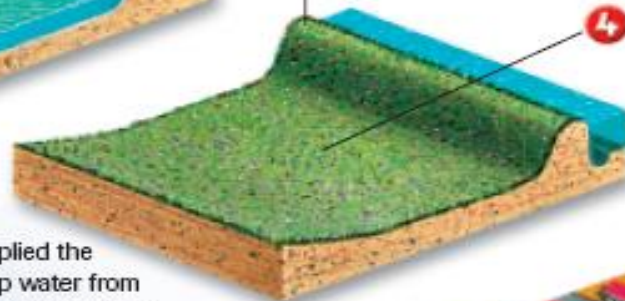
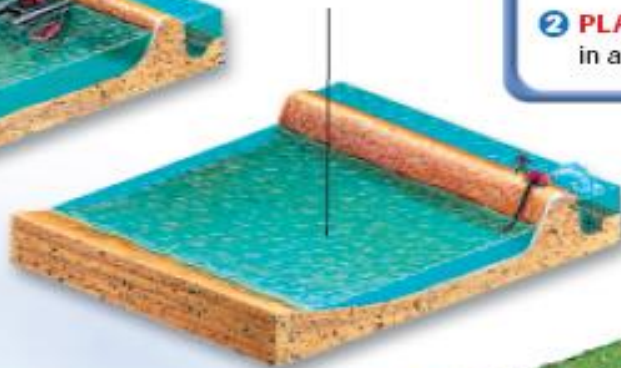
Alfalfa is often the first crop sown. It has deep roots, which break up soil; alfalfa is also used for livestock feed.

5

In time, the land can be used to grow many crops—such as Dutch tulips.

### SKILLBUILDER: Interpreting Graphics

- HUMAN-ENVIRONMENT INTERACTION** Why does it take time for polder land to be ready for farming?
- PLACE** How would the process be different if a polder were made in a place where there is freshwater, not saltwater?



Windmills once supplied the power used to pump water from polder land. Today electric pumps are used to drain the land.



# Venice, Italy

## A city of islands

### Canals of Venice



The map shows the intricate network of canals in Venice, including the Grand Canal, St. Mark's Canal, and the Giudecca Canal. It also shows the layout of streets. Key locations marked include San Michele, San Giorgio Maggiore, La Grazia, and Sacca Fisola. A compass rose and a scale bar (0 to 0.8 miles and 0 to 0.8 kilometers) are included. The map uses a Transverse Mercator Projection.

**SKILLBUILDER: Interpreting Maps**

- MOVEMENT** What is the advantage of having both streets and canals in Venice?
- HUMAN-ENVIRONMENT INTERACTION** How have humans altered the environment of the islands of Venice?

**MOVEMENT** Waterbuses, motorboat taxis, small river boats, and gondolas move people and goods on the canals of Venice. Gondolas generally are too expensive for local people to hire. Instead, tourists use them for sightseeing.







<https://www.youtube.com/watch?v=8sf32GklQGA>



# WATER POLLUTION: VENICE

- Industrial waste, sewage, and saltwater combine and eat away the foundations of buildings causing erosion
- “Killer Algae”: decaying algae uses up all the oxygen which causes fish in water to die → insects in water = STENCH!





# ACID RAIN STRIPS FORESTS

- Europe's factories produce high amounts of sulfur dioxide and nitrogen oxide emissions
- This is a picture of Germany's "Black Forest" which has suffered the effects of acid rain





# The Chunnel Underwater tunnel for Eurostar train transportation



Is the world sinking??

[https://www.youtube.com/  
watch?v=mEdRMEonRCw](https://www.youtube.com/watch?v=mEdRMEonRCw)