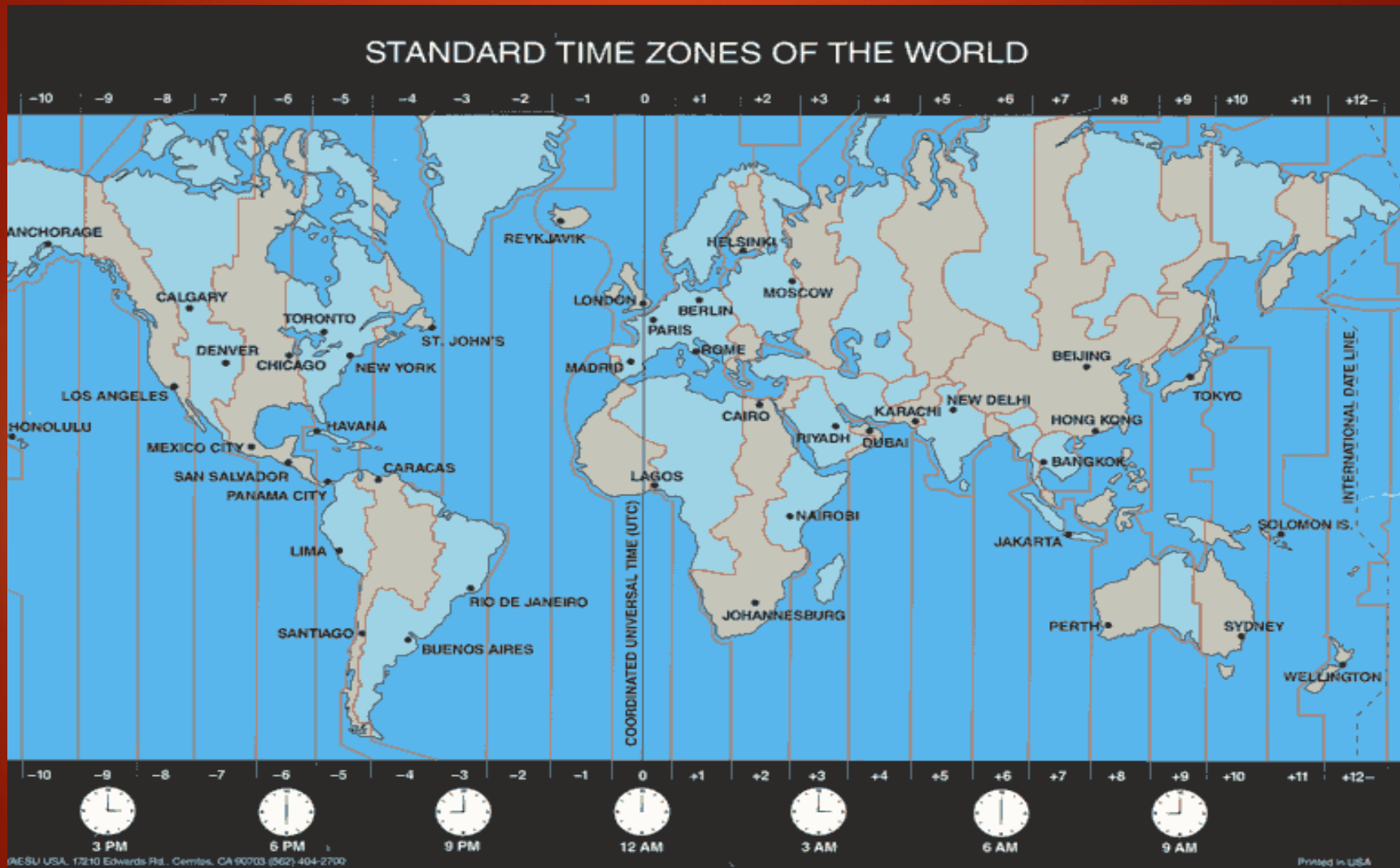


# OCTOBER 10, 2016

- GET OUT HIGHLIGHTER, PAPER AND PENCIL FOR NOTES
- PHYSICAL GEOGRAPHY OF RUSSIA AND CENTRAL ASIA NOTES
- HW: MAPS DUE FRIDAY OCT. 21
  - VOCAB DUE NOV. 1

# Russia

- ▶ Russia is the largest country in the world



# Map of Russia



## Russia is almost twice the size of the U.S.

Russia: 6.593 million sq. mi.  
Russia population: 143 million  
U.S.: 3.719 million sq. mi.  
U.S. population: 319 million



# Essential Question

- ▶ What do you anticipate to be some difficulties faced by Russia due to its geography?

# Russia's Geographic Challenge

- ▶ <https://www.youtube.com/watch?v=W6LIhNgsQoc>



Ural Mountains divide Europe from Asia  
 Russia is part of 2 continents

Union of Soviet Socialist Republics  
1917-1991





# Countries of the former U.S.S.R

## ▶ Eastern Europe

- ▶ Russia
- ▶ Estonia
- ▶ Latvia
- ▶ Lithuania
- ▶ Belarus
- ▶ Ukraine
- ▶ Moldova

## ▶ Central Asia

- ▶ Kazakhstan
- ▶ Uzbekistan
- ▶ Tajikistan
- ▶ Turkmenistan
- ▶ Kyrgyzstan

*\*\* Stan = Land of \*\**

## ▶ Transcaucasia

- ▶ Georgia
- ▶ Azerbaijan
- ▶ Armenia

# Countries of the U.S.S.R post 1991



Why would Russia want Kaliningrad?

**Water way is frozen part of the year**

**Warm water port to Atlantic!**



# Regions & Sub-Regions:

The Caucasus and Central Asia



# OCTOBER 11, 2016

Get out highlighter, pencil, notes

Finish physical geography notes

Climate of Russia and the  
Republics

Extreme Cold

Maps due 10/21

Vocab due 11/1

# Central Asia

- ▶ Modern day countries

“The Stans”

- ▶ Cross roads of Middle Eastern and Asian culture

- ▶ Dry and arid climate

- ▶ Sparsely populated

- ▶ <https://www.youtube.com/watch?v=rNfdKVt9m9>



# Caucasus Region

- ▶ Modern day countries of Georgia, Armenia, Azerbaijan
- ▶ Dominated by Caucasus Mountains
  - ▶ Effect of mnts.??
  - ▶ Very ethnically diverse
- ▶ Center of conflict







# Sub-Region: Chechnya

- ▶ Islamic ethnic group taken over by Orthodox Christian Russians in 1800's
- ▶ Constant resistance to Russian rule
- ▶ Area of increasing religious terrorism and separatist movements



# Sub-regions

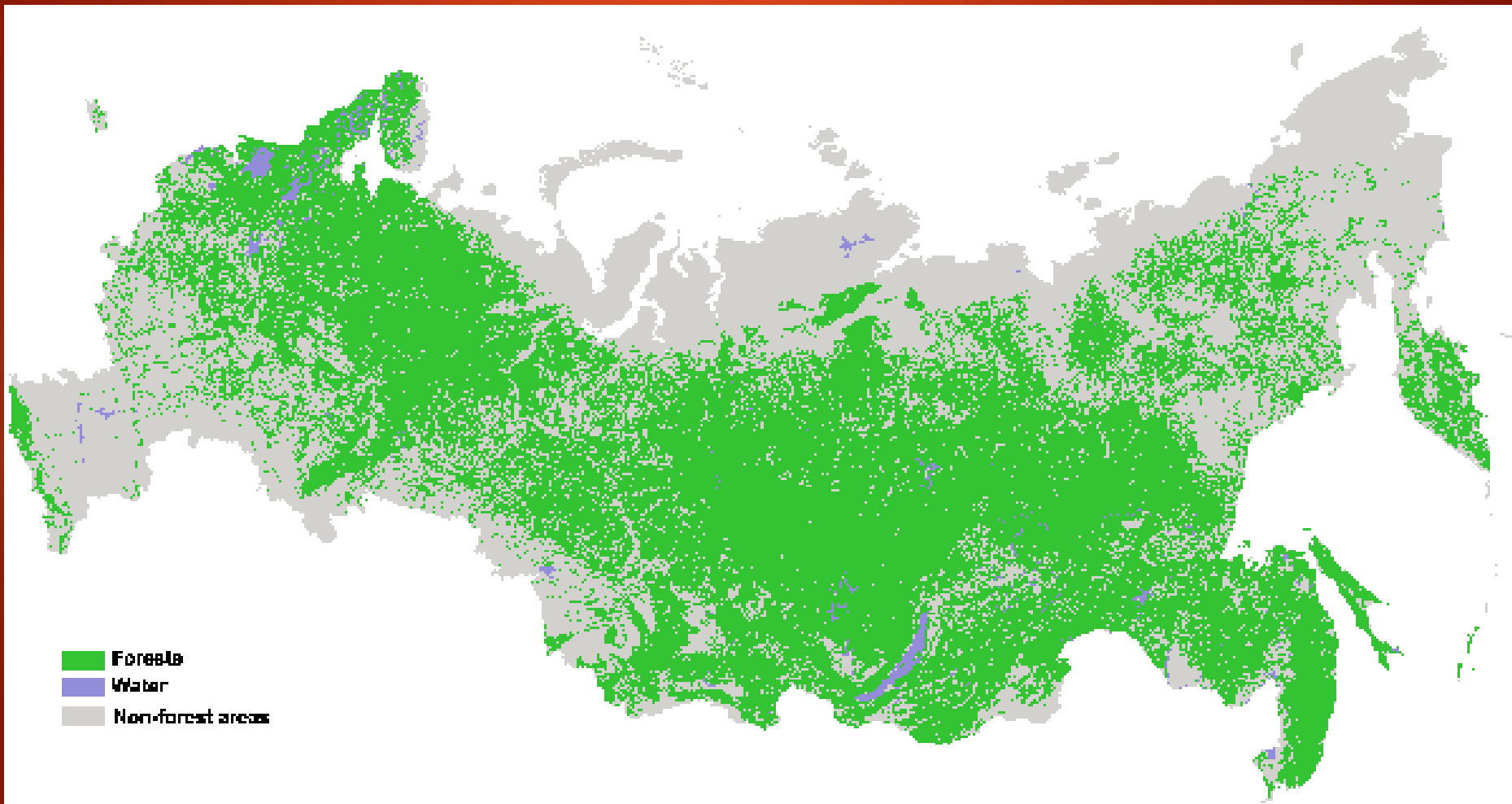
## ► SIBERIA

- Isolated, sparsely populated, and extremely cold
- Abundant in minerals, timber, natural gas
- Ob, Lena, Yenisey, and Kolyma rivers (Problems?)





# Taiga: Russia's forest 20% of all the world's timber

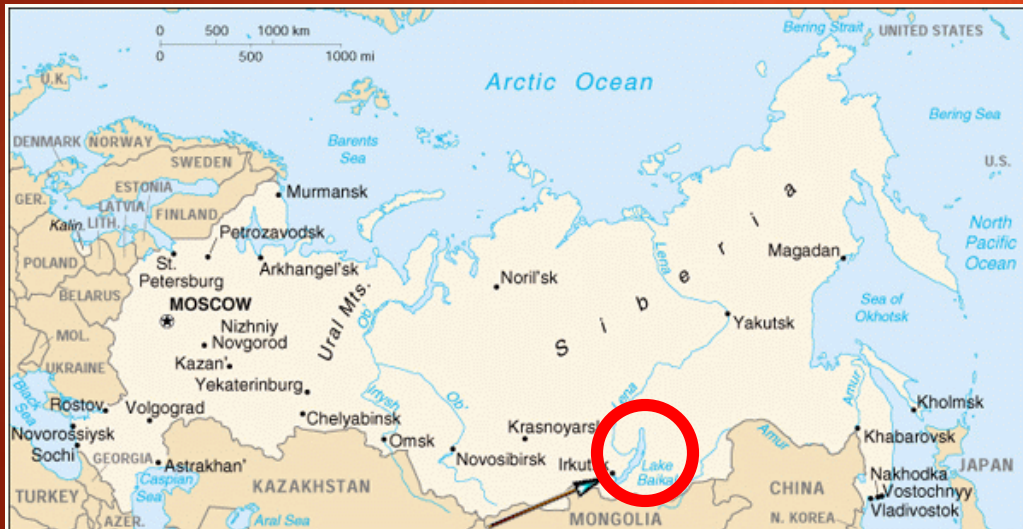


# Taiga



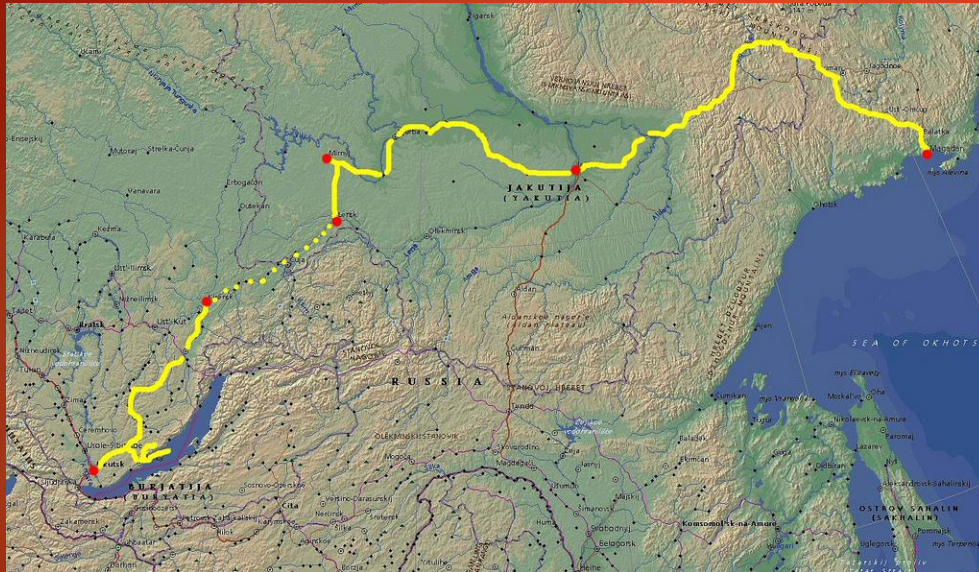
# Lake Baikal

- ▶ Deepest lake in the world
- ▶ 25% of world's freshwater



# Road of Bones

<https://www.youtube.com/watch?v=RWvfl5qetIA>



Lake Baikal to Magadan

# Discussion

- ▶ What difficulties does Russia face due to its geography?
- ▶ Do your responses correspond to what you predicted?



# Sub-Regions

- ▶ Northern European Plain
  - ▶ 75% of Russia's population
  - ▶ Mild climate with fertile soil
  - ▶ No natural barriers = ???



# Sub-Regions

Northern European Plain

## Comparison of arable land

|                   |         |
|-------------------|---------|
| The United States | 173,450 |
| India             | 160,519 |
| China             | 142,615 |
| Russia            | 122,559 |

\* unit in thousands of hectares

Arable land is land that can be used for farming.

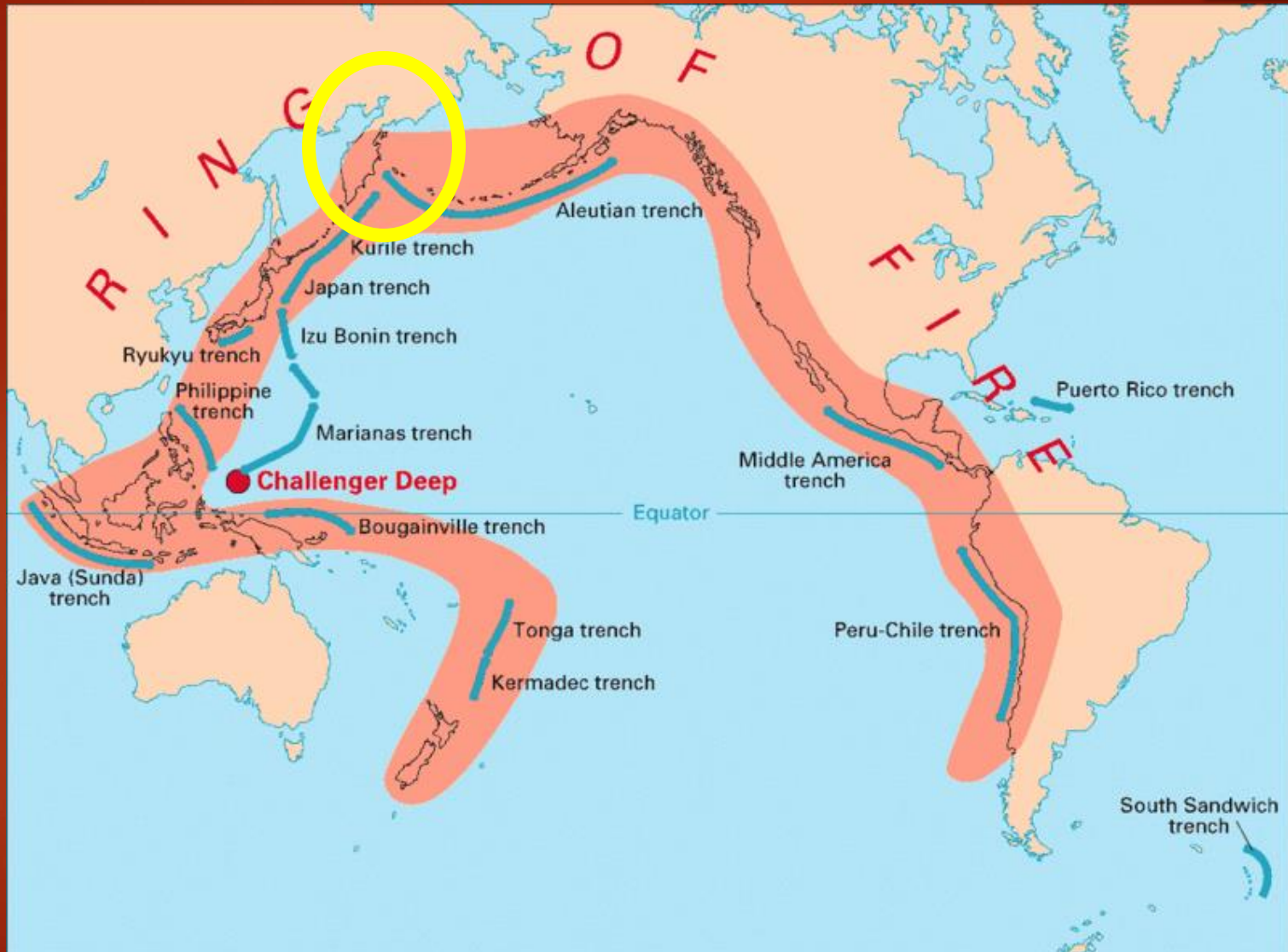
# Sub-Regions

## ▶ The Kamchatka Peninsula

- ▶ Located in Eastern Siberia
- ▶ Located along the Ring of Fire
- ▶ High concentration of volcanoes

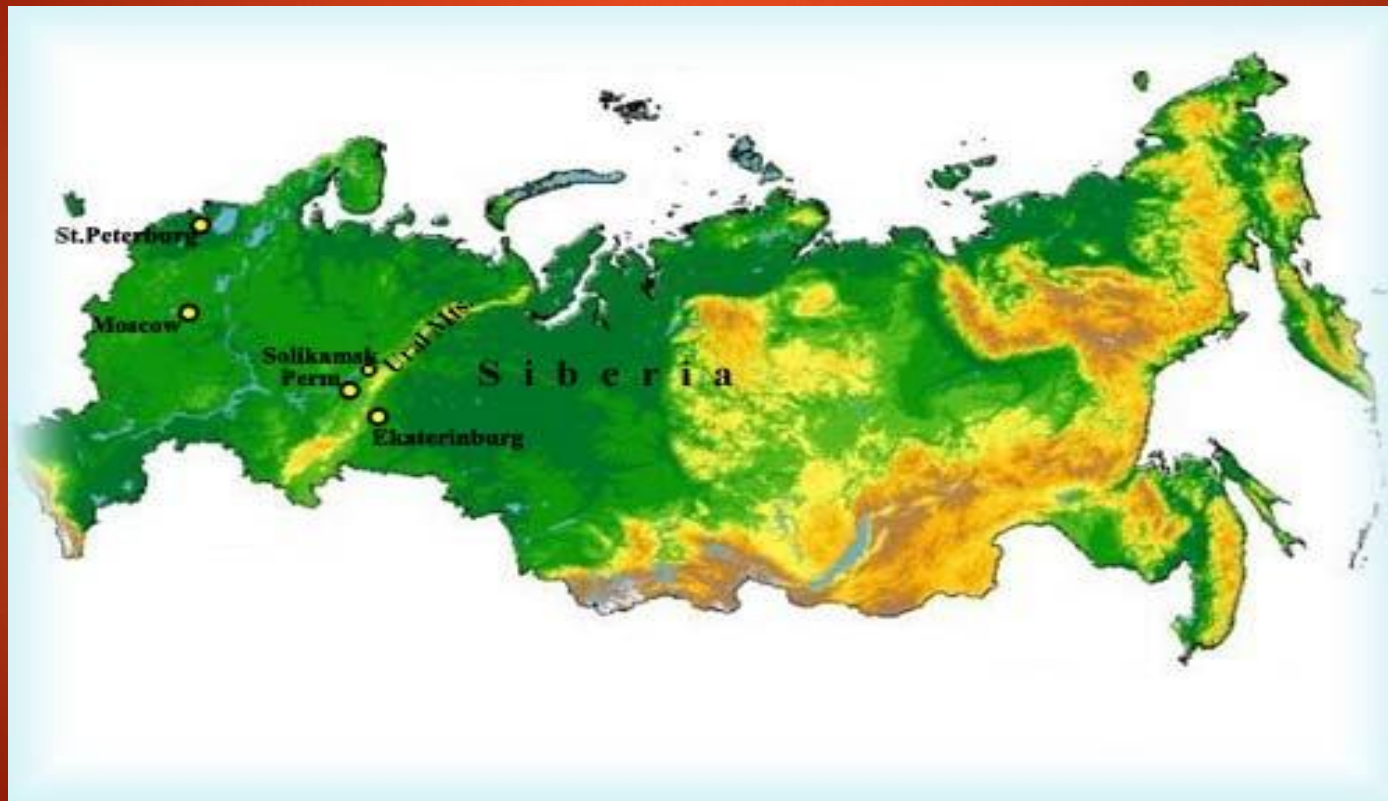


# The Ring of Fire



# The Mountains

- ▶ The Urals
  - ▶ Longest mountain range in Russia
  - ▶ Dividing line between Europe and Asia
  - ▶ Rich in minerals and precious metals



# The Mountains

## ▶ The Caucasus Mountains

- ▶ Run from the Black Sea to the Caspian Sea
- ▶ Divide Russia from Georgia and Azerbaijan.





Barents Sea

Arctic Ocean

East Siberian Sea

Kara Sea

Laptev Sea

Volga

Yana

Indigirka

Kolyma

**RUSSIA**

Irtysh

Ob

Yenisei

Lena

Caspian Sea

Sea of Okhotsk

Lake Aral

**KAZAKHSTAN**

Lake Balkhash

Lake Baikal

Amur

**MONGOLIA**

**CHINA**

[www.freeworldmaps.net](http://www.freeworldmaps.net)

# Bodies of Water

- ▶ The Caspian Sea
  - ▶ Central Asia
  - ▶ Largest lake/sea
  - ▶ Large reserves of oil
    - ▶ Potential conflict?





# Caspian Sea



# Bodies of Water

1960

2010

## ▶ The Aral Sea

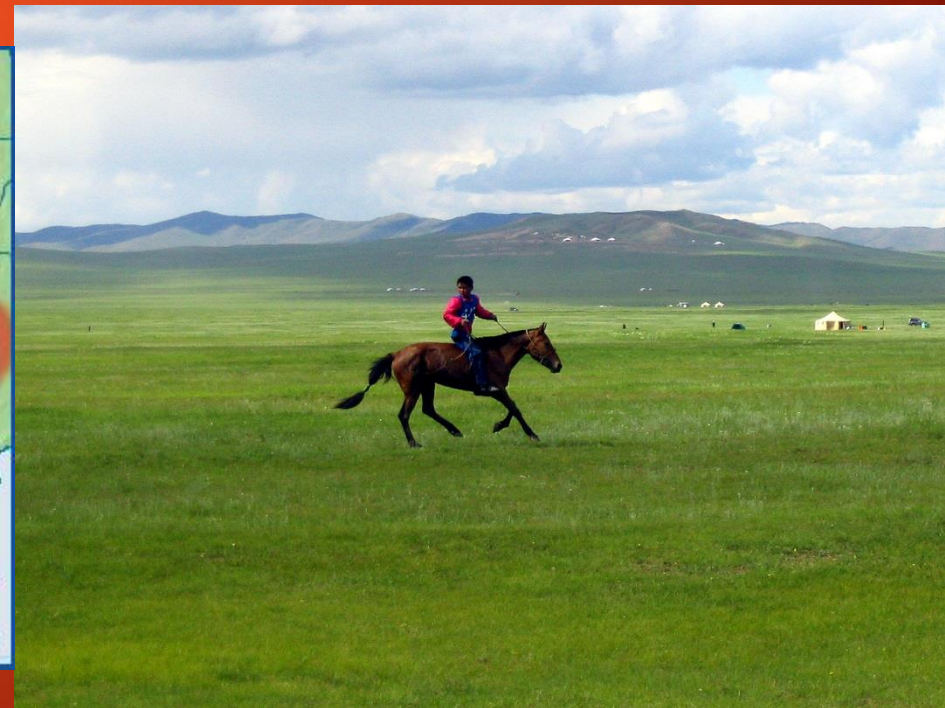
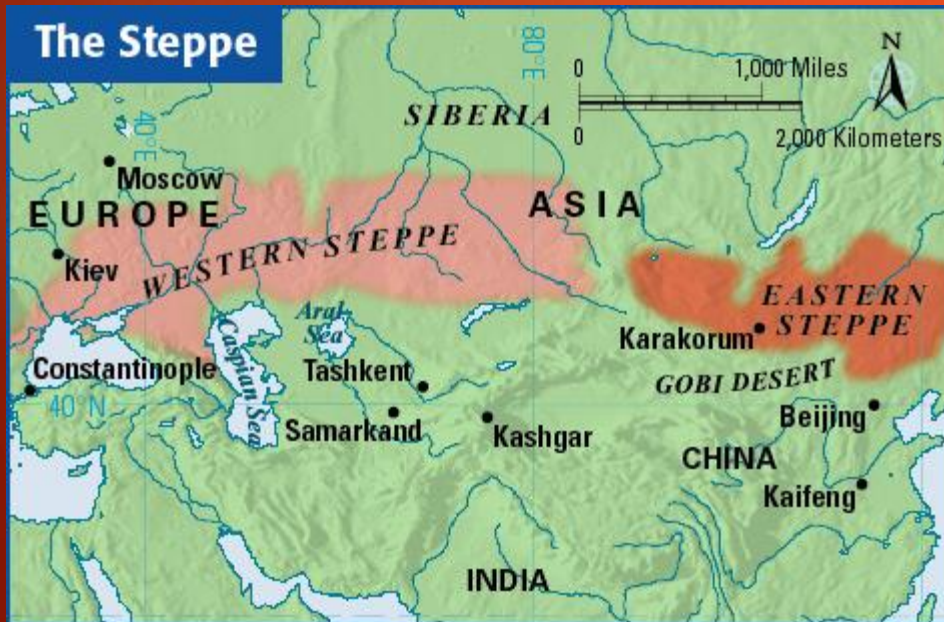
- ▶ How has the climate of this region impacted the Aral Sea?
- ▶ located Kazakhstan and Uzbekistan.
- ▶ Massive reduction since 1960
- ▶ Irrigation
- ▶ 20% of its original size





# Steppe

- ▶ Large grassy plains
  - ▶ Home to nomadic people like the Mongols
  - ▶ Link between Asia, Central Asia and Europe throughout history
    - ▶ Silk Road

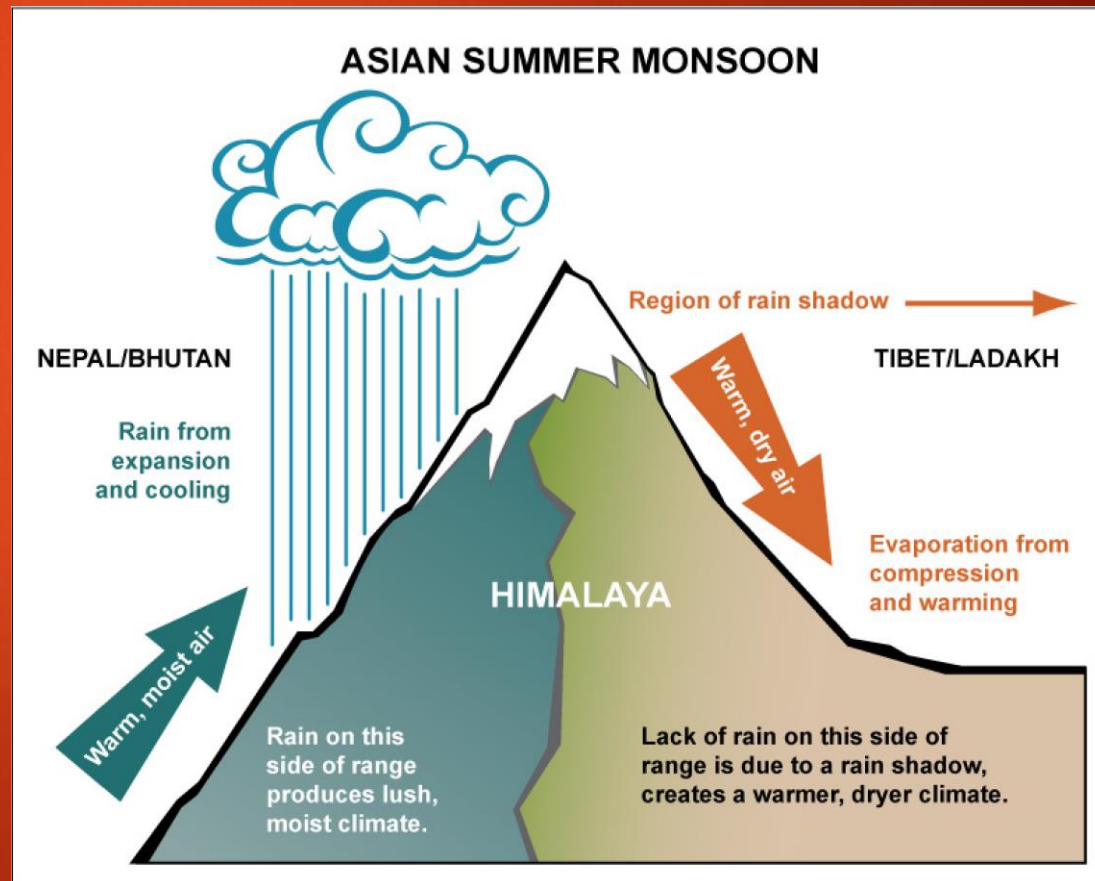


# Deserts



# Rain Shadow Effect

- ▶ Himalayan Mountains block warm, moist air from the Indian Ocean
- ▶ Creates arid climate on the northern side



# Kara Kum Desert

- ▶ Located in Turkmenistan
- ▶ Gate to Hell



# Climates

## Russia and Eurasian Republics Climate

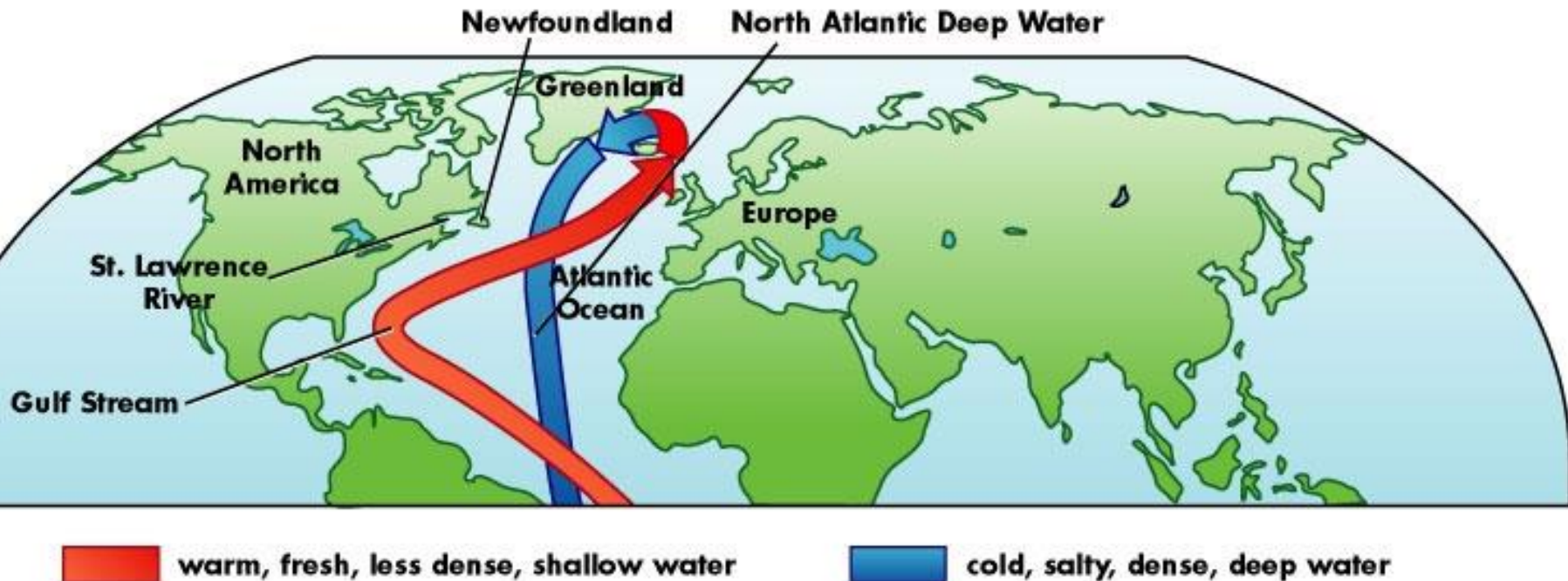




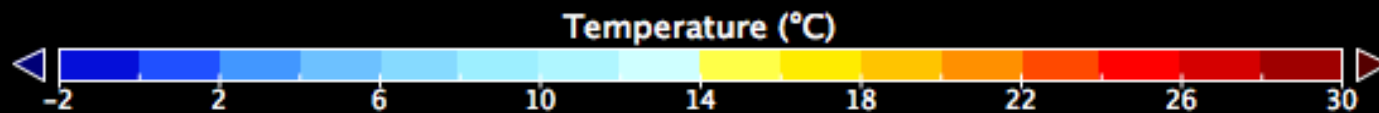
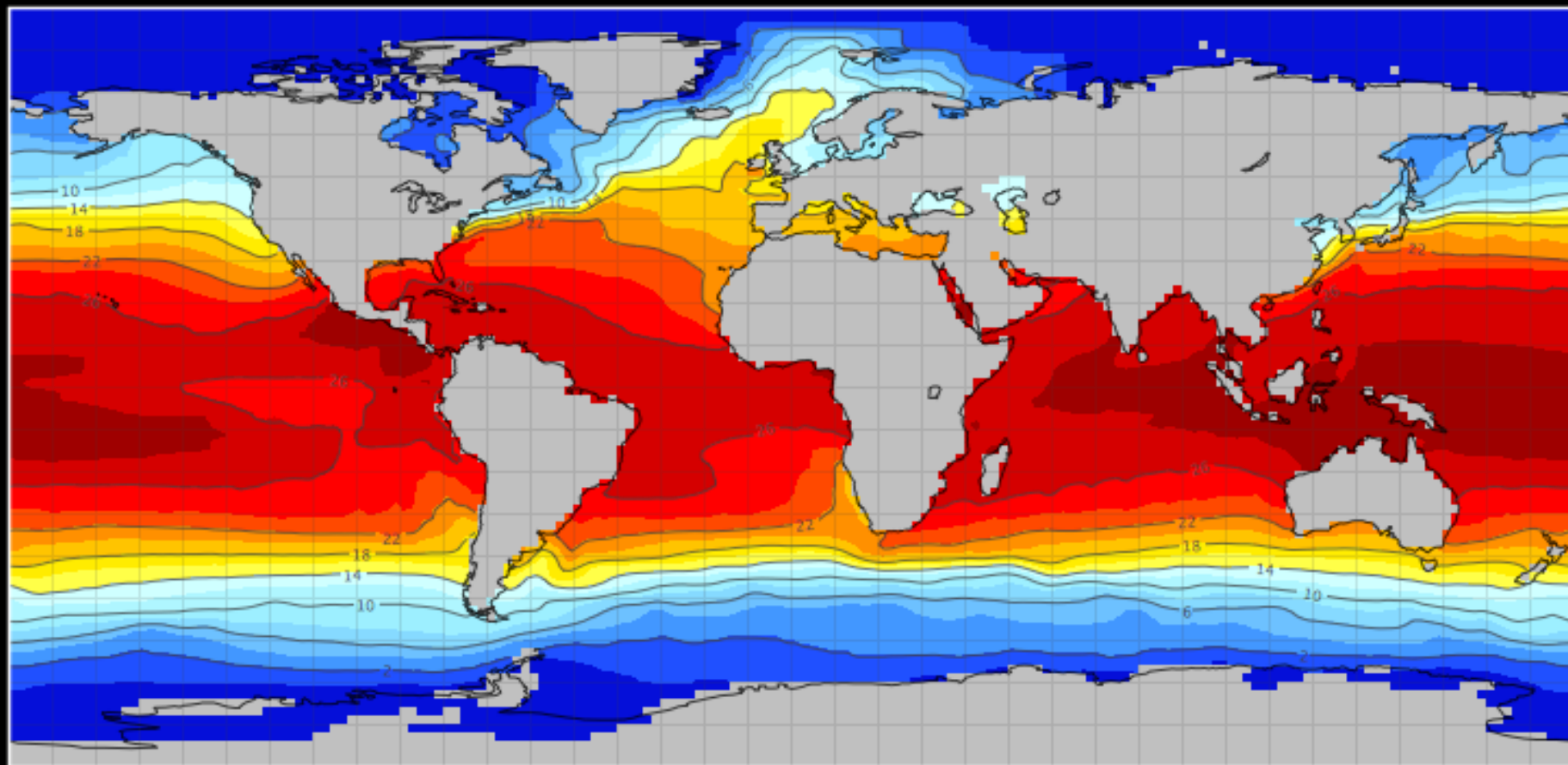
# Impact of the Gulfstream

- ▶ Warm gulfstream air keeps Europe warmer than places of similar latitude

## North Atlantic Ocean Circulation System



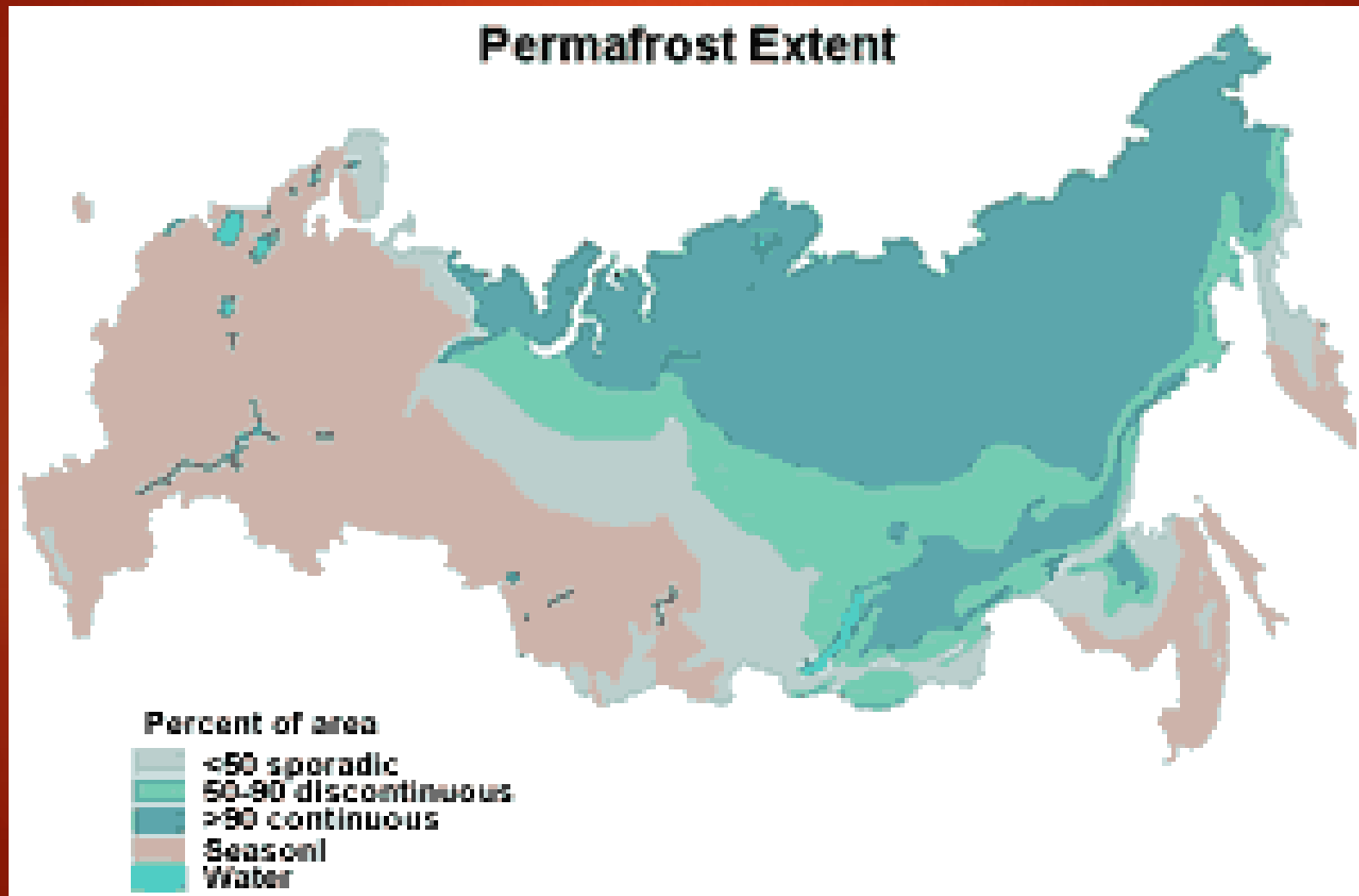
# PRISM3: Pliocene SST, December

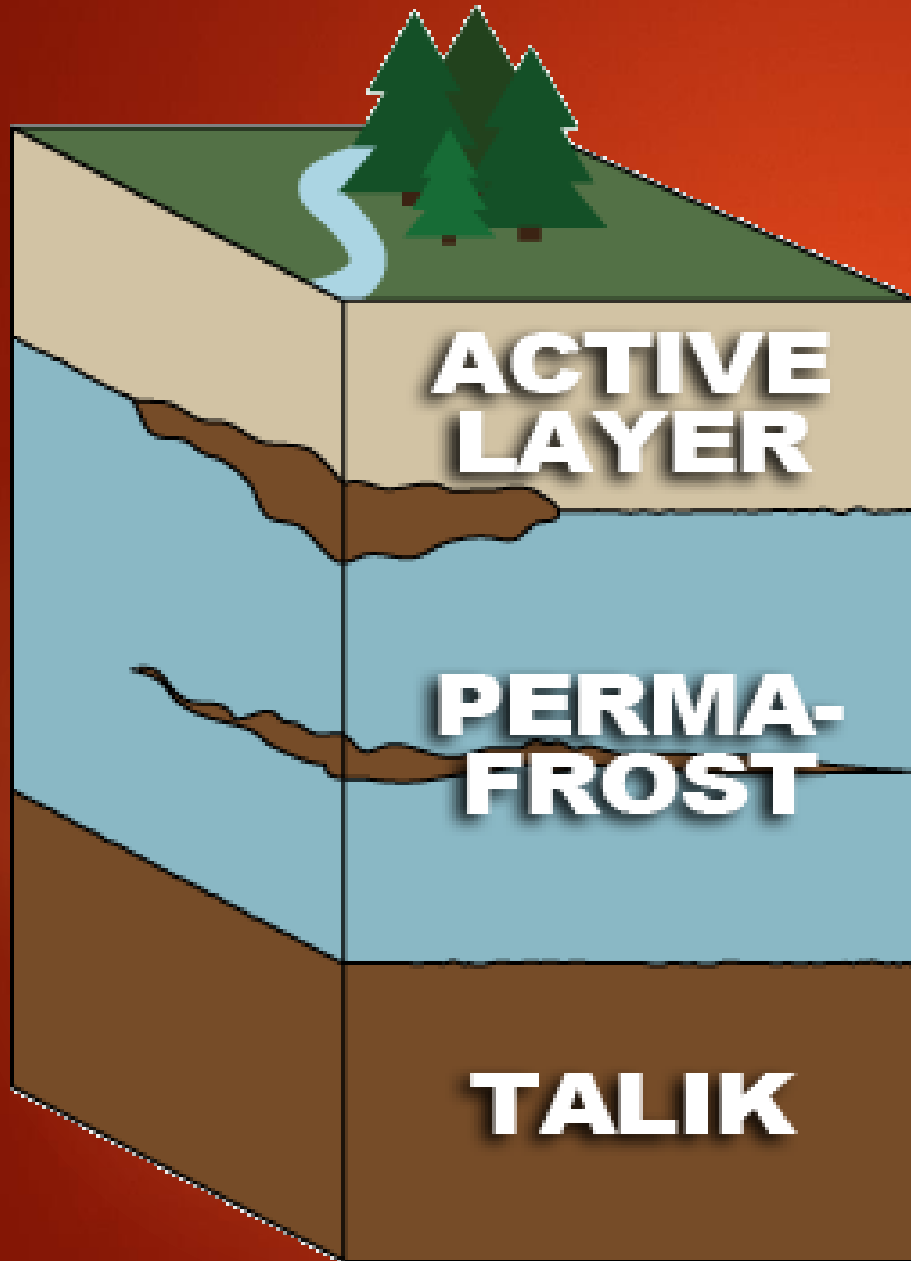


# Continentality

- ▶ The closer to the sea, the more moderate the climate
- ▶ Most of Russia and Siberia is hundreds of miles from the sea
- ▶ Air loses moisture and cools faster

# Permafrost





- ▶ Active layer thaws in warmer temperatures
- ▶ *What are the difficulties of living in an area that contains permafrost?*



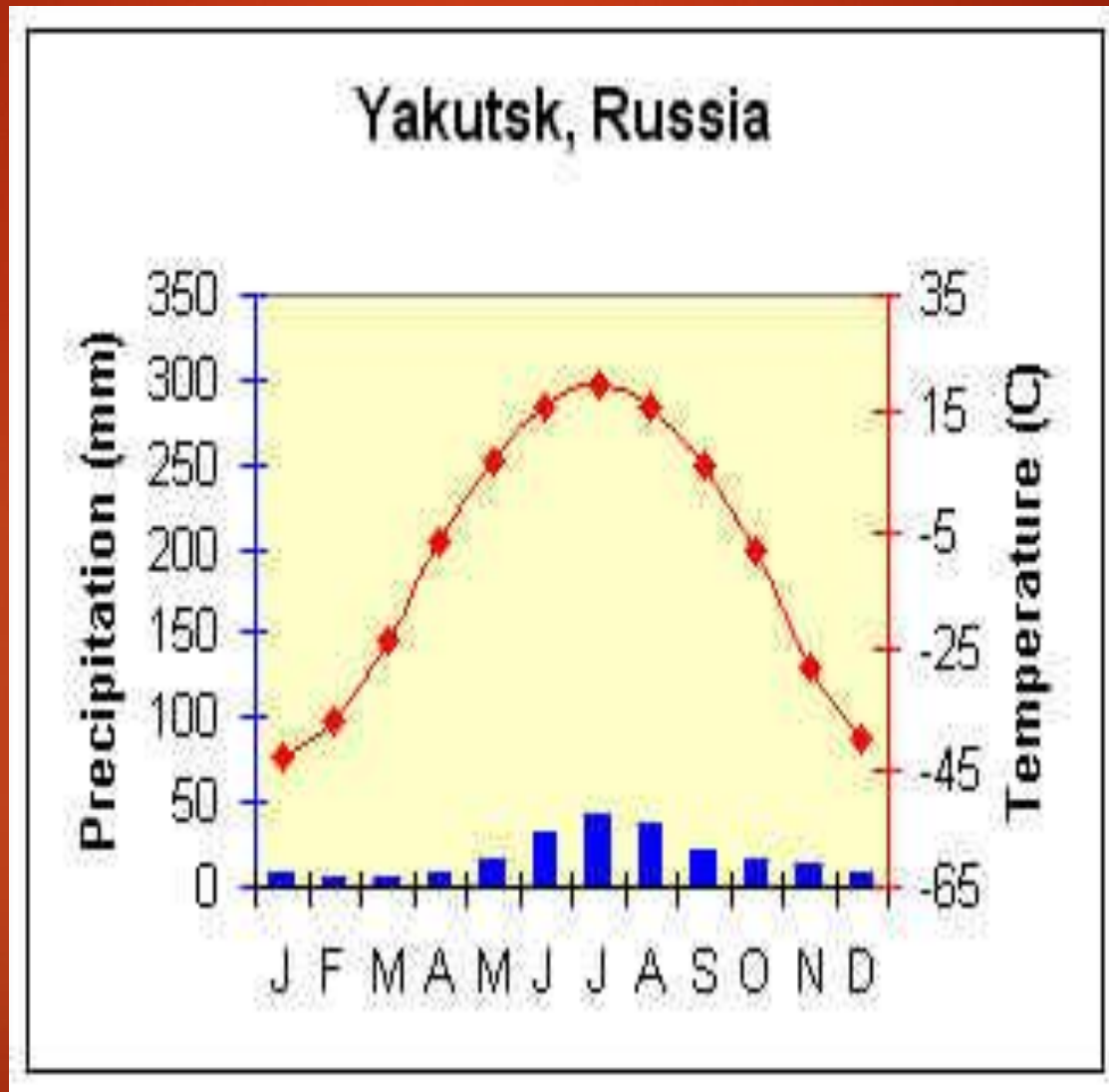
# Yakutsk



- ▶ Coldest city on Earth
- ▶ Population of 300,000
- ▶ Extreme Subarctic Climate
- ▶ Why do people live here?
  - ▶ Large gold and diamond reserves
  - ▶ On the Lena river



# Coldest Place on Earth





# Water at -50 degrees

- ▶ <http://www.bbc.com/news/world-11875131>

# Review your notes

- ▶ Highlight important information
- ▶ Add additional notes in the margins
  - ▶ Create headings for sections of notes
  - ▶ Highlight/underling vocabulary words
- ▶ Add at least 2 images/diagrams to your notes
- ▶ Write a 2 sentence summary