

Europe

Physical Geography

I. Landforms

- A. Europe
 - 1. The Alps (France, Switzerland, Italy, & Austria)
 - 2. The Sierra Nevada in Spain
 - 3. The Pyrenees btwn Spain & France
 - 4. The Apennines in Italy
 - 5. The Carpathian Mountains in Slovakia & Romania
 - 6. The Balkan Mountains in Bulgaria
 - 7. The Ural Mountains form the eastern most "boundary of Europe.
 - 8. Volcanic Mountains
 - a. Iceland due to a divergent boundary where two plates are separating
 - b. Italy Mt. Etna, Stromboli, Mt. Vesuvius and more...

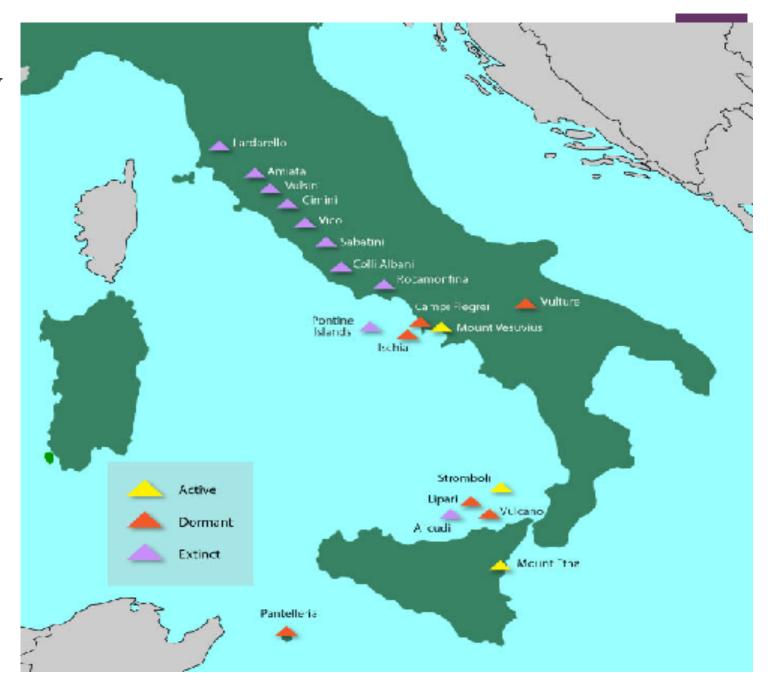
- 9. Peninsulas A large piece of land surrounded on three sides by water
 - 1. Scandinavian Norway & Sweden
 - 2. Jutland Denmark
 - 3. Iberian Spain & Portugal
 - 4. Italy
 - 5. Balkan Greece, Albania, & Macedonia

Mountain ranges of Europe.

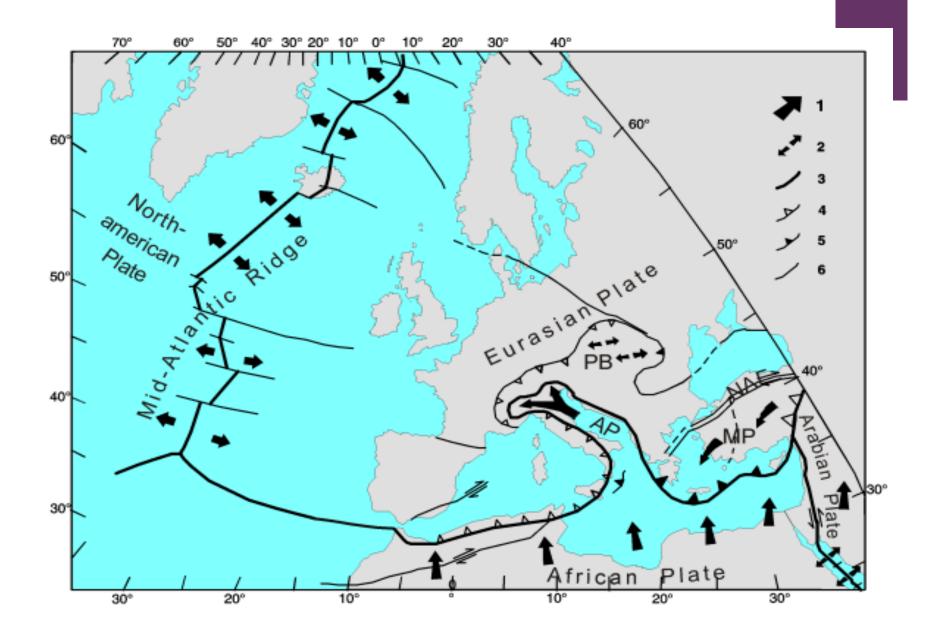




Volcanoes of Italy



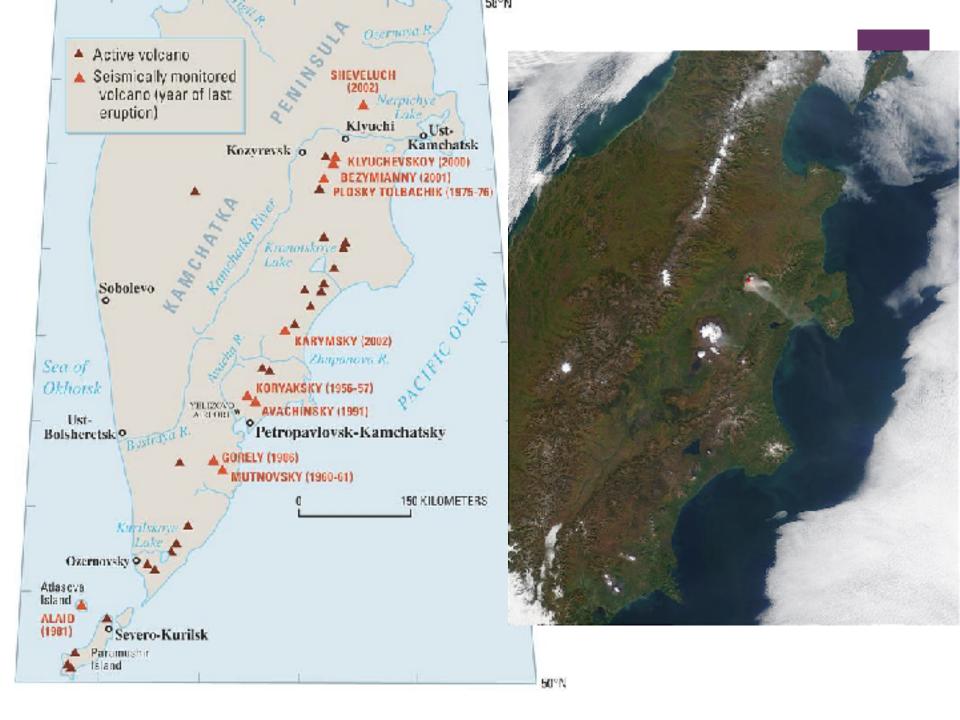
+Tectonics of Europe



B. Russia

- 1. The Caucasus Mountains between the Black & Caspian Seas and extend through the...
 - a. Highest point in Europe/Russia Mt. Elbrus at 18,511 ft. –
 Caucasus Mtns.
- 2. Elbruz Mountains of northern Iran to the ...
- 3. Tien Shan & the Pamir mountains along the southern borders of the Central Asian countries.
- 4. These ranges rise to over 24,000 ft., they are snowcapped and produce considerable meltwater for streams in dry areas.
- 5. In the far east, are the volcanic peaks of the Kamchatka Peninsula.

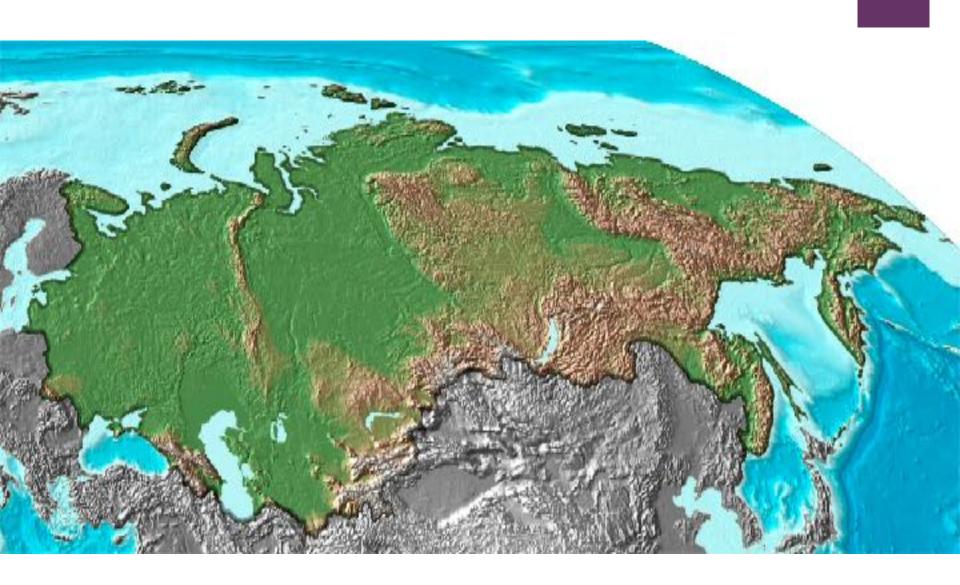








- 6. The Plains & Plateaus of Russia
 - a. Northern European Plain Poland into Belarus,
 Ukraine, & "European Russia" to the Ural Mountains (marks the line between Europe & Asia).
 - b. Western steppes to West Siberian Plains northern shores of the Black Sea along the rivers leading to the Caspian & Aral Seas.
 - c. Central Siberian Plateau hillier, mineral bearing rocks, vast flat to hilly area. Help facilitate invasions from eastern Asia and central Europe during the Middle Ages, and later Imperial Russian expansion eastward



II. Bodies of Water

- A. Europe
- 1. Estuaries & Fjords
 - a. What is an estuary? Flooded mouth of a river (not the same as a delta)
 - b. What is a fjord? Glacial valley flooded by seawater.
- 2. Rivers, Lakes, & Seas these are all significant to the movement of people and goods now and in the past
 - a. The Rhine (heavily modified for barges canalized straightened out; highly polluted) & Elbe (Germany)
 - b. The Danube (Germany, Austria, the Balkans) world's busiest waterway
 - c. Rhône, Seine, & Loire (France); Thames (England); Po (Italy)

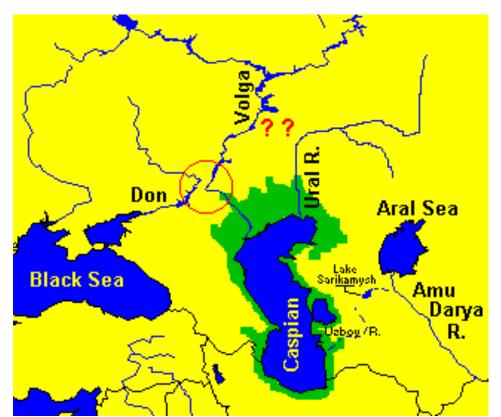
Did you know that when parrots play dead it's because they're "pining for the fjords?" 😌



Major rivers of Europe



- B. Russia
 - 1. Along the low lying areas, some of the longest rivers in the world:
 - a. Don flows into the Black Sea
 - b. Volga flows into the Caspian Sea
 - (1) A canal, the Volga-Don, connects the Volga to the Black Sea.
 - c. Amu Darya & Syr Darya flow into the Aral Sea.
 - d. The Ob, Yenisey, & Lena flow north into the Arctic Ocean and are frequently flooded do to meltwater causing cast wetlands around them.
- https://www.youtube.com/watch?v=CPep-KUMAYA

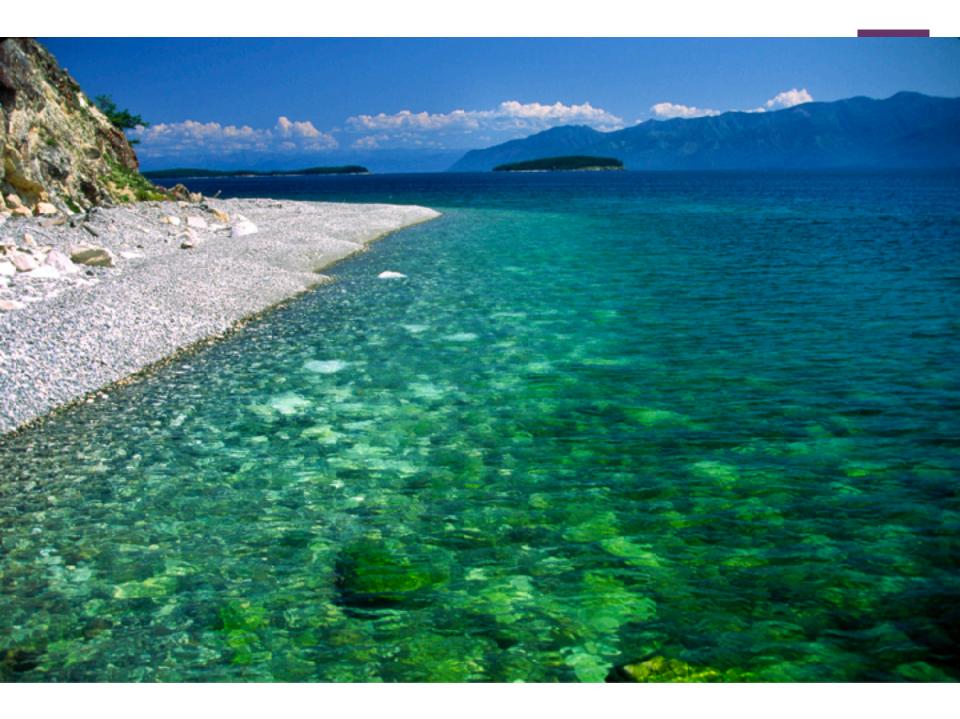


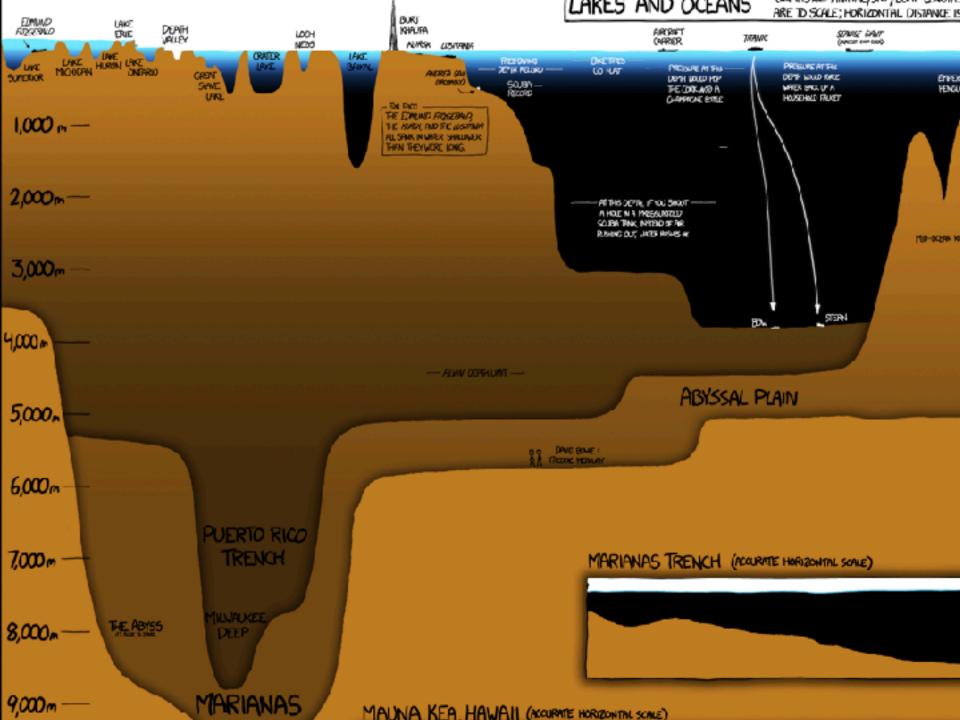




- e. Lake Baikal continental rift lake
 - (1) Maximum depth 5,387 ft.; deepest lake in the world
 - (2) Greatest volume of any freshwater lake in the world contains 20% of unfrozen surface fresh water
 - (3) Clearest lake and oldest lake at 25 million years







- f. The Caspian Sea is the largest lake in the world. Like the Aral & Black Sea it is salty.
 - (1) It drains the world's largest area of dry land below sea level.
 - (2) It has both petroleum & natural gas fields that are important to local economies.
- g. The Aral Sea was the world's fourth largest body of inland water. It is salty.
 - (1) It has shrank considerably after two rivers that fed it, the Amu Darya & the Syr Darya were diverted for agricultural irrigation by the Soviet Union (USSR).
 - (2) The degradation of the Aral Sea is considered one of the top ecological disasters in human history.











- h. The Black Sea is a marginal salty sea. It is connected to the Mediterranean Sea by 2 straits, the Bosphorus & the Dardenelles.
 - (1) It was a busy waterway on the crosswords of the ancient world and still is strategically important to many countries.
 - (2) The Crimean peninsula juts into the northern part of the sea and is a piece of land that has been fought over for centuries.



