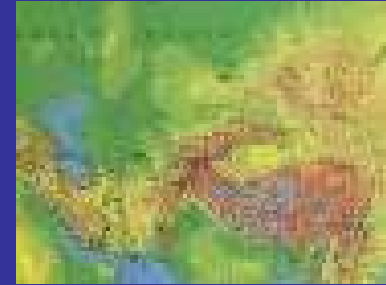


Zoom In

- Look at the following pieces of a primary source from the Library of Congress.
- Make a prediction about what you think is hidden. What we can learn about using this picture and how does it tie into our science unit?

What do you think this is a picture of?



What colors do you see?

What new details have appeared?

Was your prediction correct?



Now look at what is shown



What do you recognize?

What have you seen before?

What is unclear to you?

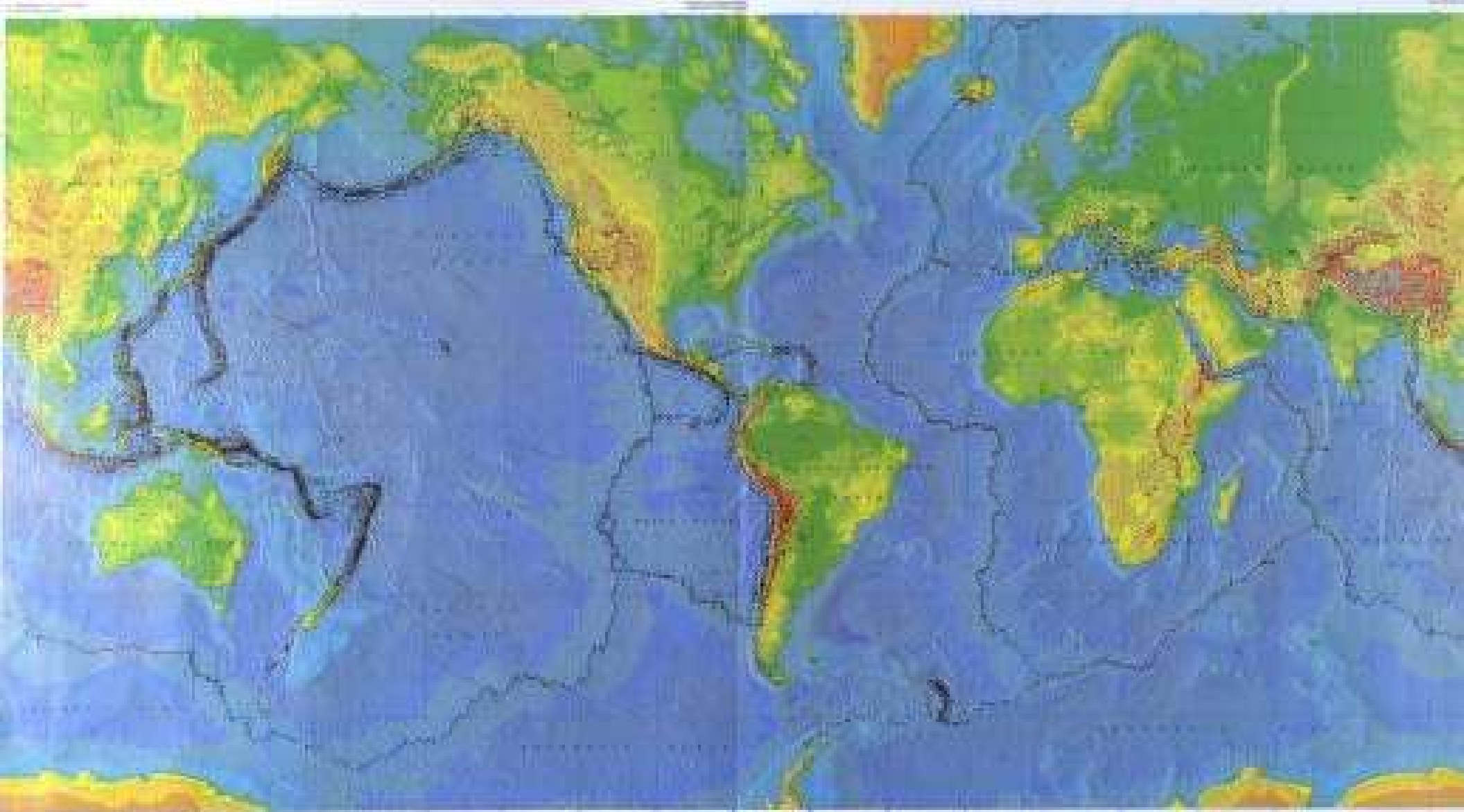


**Any new
thoughts?**



**What is on
this map that
you have not
seen before?**

What features does this map display?







What oceans do you see?

What do you see in the Pacific Ocean?

Key to Volcano Symbols

VOLCANOES—(from the Global Volcanism Program, Smithsonian Institution, Washington, D.C.)

-  Erupted A.D. 1900 through 1993
-  Erupted A.D. 0 to A.D. 1900
-  Holocene eruptions (within past 10,000 years), B.C. and un
A.D. eruptions
-  Uncertain Holocene activity and fumarolic activity

IMPACT CRATERS—(from R.A.F. Grieve)

-  Crater—Geologic age span: 1,000 years to 2,000 million years

Key to Earthquake Symbols

EARTHQUAKES—(from the National Earthquake Information Center, U.S. Geological Survey, Denver, Colorado) Magnitude for each event is the largest estimate available on file.

Magnitude = 4.0-5.4 (1960-1990)

- 0-60 km in depth
- > 60 km in depth

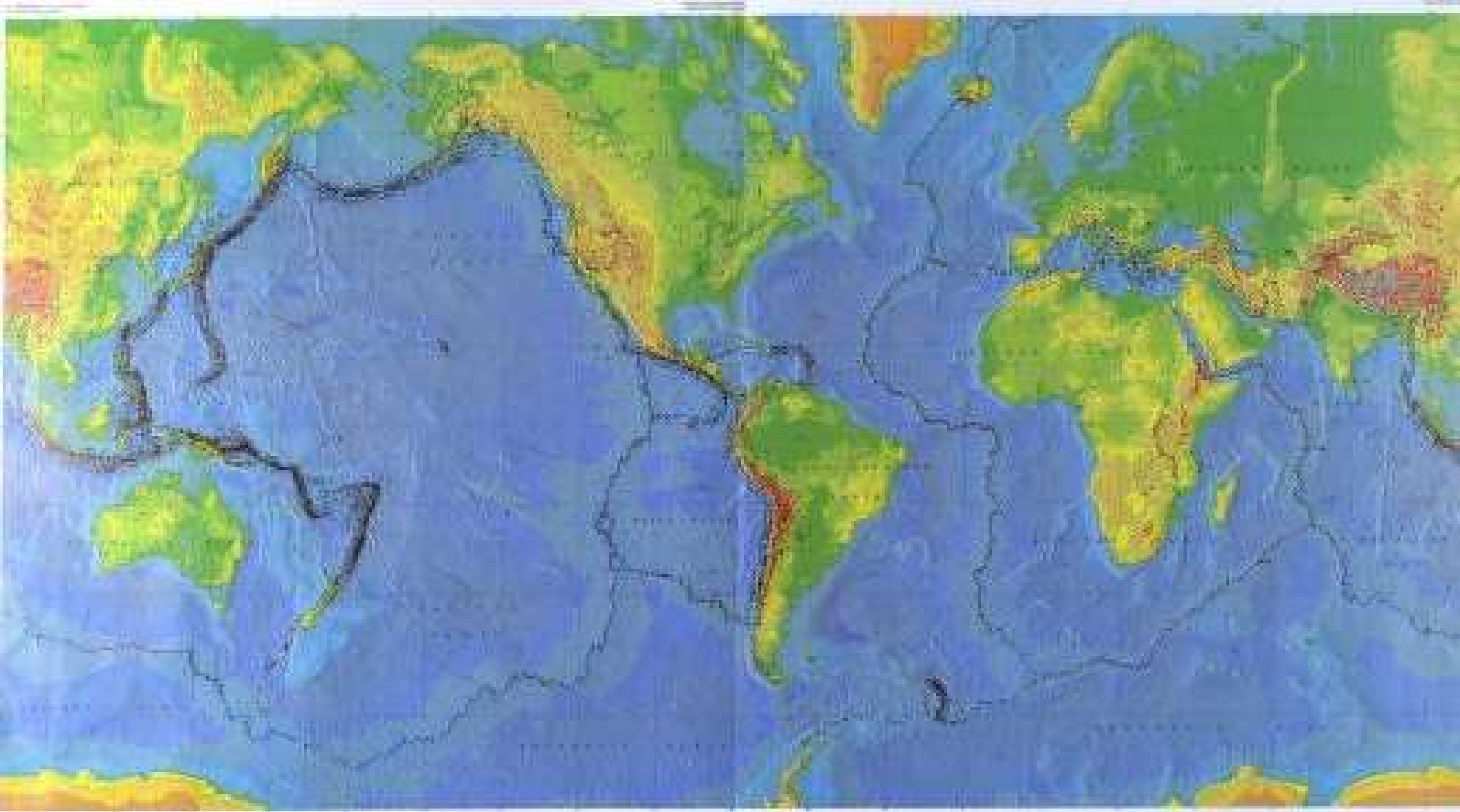
Magnitude = 5.5-6.9 (1960-1990)

- 0-60 km in depth
- > 60 km in depth

Magnitude > 7.0 (1897-1990)

- 0-60 km in depth
- > 60 km in depth

Where would you put the symbols for Earthquakes and Volcanoes?



U.S. Geological Survey. (1994). [This dynamic planet : world map of volcanoes, earthquakes, impact craters, and plate tectonics / compiled by Tom Simkin ... \[et al.\] ; cartography by James E. Queen, Will R. Stettner, and Paul Mathieux](#). Library of Congress: American Memory, Map Collections: 1500-2004.