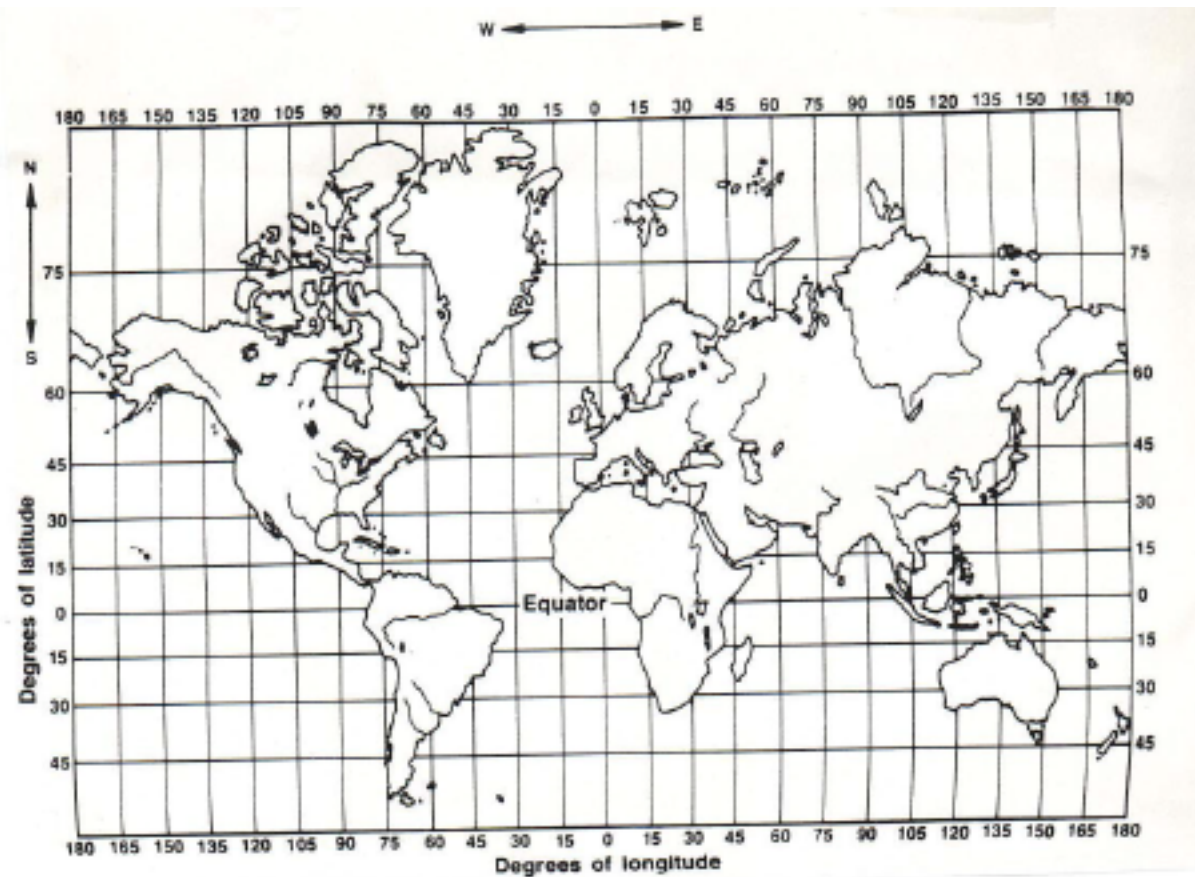


Plotting Earthquakes and Volcanoes

DIRECTIONS:

1. Plot the earthquakes and volcanoes on the world map. Use a **red dot** for volcanoes and a **blue dot** for earthquakes.
2. Refer to the old Earth Science textbook, page 471 and 487, **shade** the three main earthquake/volcano zones in three different colors.
3. Label the three zones as follows:
 - MID-ATLANTIC RIDGE
 - RING OF FIRE
 - EURASIAN-MELANESIAN ZONE

Earthquakes		Volcanoes	
Longitude	Latitude	Longitude	Latitude
120°W	40°N	150°W	60°N
110°E	5°S	70°W	35°S
77°W	4°S	120°W	45°N
88°E	23°N	61°W	15°N
121°E	14°S	105°W	20°N
34°E	7°N	75°W	0°
74°W	44°N	122°W	40°N
70°W	30°S	30°E	40°N
10°E	45°N	60°E	30°N
85°W	13°N	160°E	55°N
125°E	23°N	37°E	3°S
30°E	35°N	145°E	40°N
140°E	35°N	120°E	10°S
12°E	46°N	14°E	41°N
75°E	28°N	105°E	5°S
150°W	61°N	35°E	15°N
68°W	47°S	70°W	30°S



SUMMARY QUESTIONS:

- _____ 1. Do earthquakes and volcanoes appear world-wide:
 - (a) in a random pattern
 - (b) do they appear to cluster in regions or zones?
2. Where do most earthquake and volcanoes appear to occur?
3. What do you think is the reason for this?
4. Refer to the old Earth Science text. What relationship appears to exist between earthquake and volcano sites **and crustal plates/**

7. What do most scientists now think causes the planet's crustal plates to move, thus causing earthquakes and volcanoes to occur?