

Chapter 3 : READ for Information

Directions: Read and underline pp.65-78.

- 1. Define : Earthquake

- 2. Why are faults associated with EQ? _____

- 3. Intensity Scale : _____ ,
Magnitude Scale: _____
- 4. P-Wave = _____
vibration direction: _____
- 5. S-Wave = _____
vibration direction: _____
- 6. What seismic wave causes the most damage? _____
- 7. Paraphrase.. find distance to epicenter
 - a. _____
 - b. _____
 - c. _____
 - d. _____
- 8. What page of the ESRT is used for EQ? _____
- 9. **Complete example:** (don't forget units)
P-wave arrival= 11:20:20
S- wave arrival = 11:26:40
Lag time (time delay) = _____
Distance to epicenter = _____
- 10. Define origin time? _____
- 11. Paraphrase.. find origin time
 - a. _____
 - b. _____
 - c. _____
 - d. _____
- 12. **Complete example:** (don't forget units)
P-wave arrival= 11:20:20 S- wave arrival = 11:26:40
Lag time (time delay) = _____
Distance to epicenter = _____
P-wave travel time= _____
Origin time= _____

- 13. List the layers of Earth (start in the surface):

- 14. Shadow zone ? _____
- 15. Ring of fire ? _____
- 16. List 6 EQ hazards:

- Safety ideas? _____
- 17. List 6 Volcanic hazards:

- Safety ideas? _____
- 18. How are EQ and volcanoes related? _____

Directions: Read and underline pp.79-87.

- 19. Paraphrase.. Continental drift: _____

EVIDENCE: _____

- 20. Sea Floor Spreading ?
p. 81 figure 3-16.. what do the zebra stripes show?

- 21. . Paraphrase.. Plate Tectonics: _____

- 22. Define**
Convergent boundary: _____
ex: _____
Divergent boundary: _____
ex: _____
Transform boundary : _____
ex: _____
- 23. What is the driving force of Plate Tectonics?_**
- 24. Problem solving.. loose-leaf.. on own "seismic plan"
- 25. **Know ALL vocabulary listed at the start of the unit.**