1. Name several **effects of plate tectonics** on earth and human life:
   a. ______________________________________________________________________
   b. ______________________________________________________________________
   c. ______________________________________________________________________
   d. ______________________________________________________________________

2. Where on earth can you stand with **one foot in Europe and the other foot in North America**?
   ________________________________________ (NAME THE COUNTRY)

3. Name several **endangered cities** on earth that are “waiting to die”:
   a. ______________________________________________________________________
   b. ______________________________________________________________________

4. What **“Engine”** drives plate tectonics? ______________________________________

5. If the **earth was the size of a BASKETBALL how thick** would the **solid crust** of the earth be? the crust of the earth would the thickness of a ___________ of ________________

6. What is the source of the heat that keeps the Earth’s core and the mantle at such high temperatures?
   a. ______________________________________________________________________ and
   b. ______________________________________________________________________ elements

7. The Himalayan mountains reach upward to 29,000 feet. What collided with the Asian plate to form these mountains and place the ocean fossils near the top of the Himalayan mountains?
   a. ______________________________________________________________________

8. Identify the location of the “Ring of Fire” on the earth?
   a. ______________________________________________________________________

9. What physical features and events can be observed along the “Ring of Fire”?
   a. Features = ______________________________________________________________________
   b. Events = ______________________________________________________________________
10. What is stated as the possible source of the “loudest sound” heard on the earth?
   a. ________________________________________________________________

11. What are earth’s “natural bombs” waiting to explode? _________________________

12. Where is America’s “natural time bomb”? ____________________________________

13. What effect will the explosion of Yellowstone Park’s Super volcano have on the earth and us?

14. Where or what are the earths plates identified in the theory of plate tectonics?

15. Which ocean is growing wider and which is shrinking in width?
   a. Growing or Widening ocean = ________________________________
   b. Shrinking or Narrowing ocean = ________________________________

16. What is the difference between Lava and Magma?

17. Three great time bombs in the earth’s future are:
   a. MegaThrust ________________________ (shaking of the earth)
   b. Giant _______________________________ (ocean wave)
   c. Super _______________________________ (mountain of fire)