

Our Dynamic Earth Video Notes

1. What does plate tectonic theory attempt to explain?
2. What was the name of the single super-continent that existed 200 million years ago?
3. What created the Himalayas?
4. On what do the plates of the lithosphere (crust and upper mantle) float upon?
5. Name three (3) major plates.
6. Describe the major forms of plate margin behavior.
7. What type of plate activity is occurring off the west coast of South America and what is the result?
8. What is occurring along the San Andreas Fault and what can be the result?
9. Describe the appearance of lava flows along the ocean floor.
10. Describe the underwater flow of lava in Hawaii.
11. Describe how life can flourish at great depths where light cannot penetrate.
12. What enabled people to discover deep-sea vents?
13. What is the promise of plate tectonics?
14. How might additional understanding of plate dynamics improve our lives?
15. What evidence is there that the Earth is a dynamic planet?