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**Essential Questions in Geology:**

1. Can we predict earthquakes?
2. **What can we learn from earthquake waves?**
3. How are humans impacted by earthquakes?
4. How do earthquakes help shape the Earth’s landscape?
5. What are the major contributing factors to the amount of death and destruction?
6. **How do earthquakes provide evidence for plate tectonics?**
7. How are earthquakes and volcanoes related?
8. What are the different types of volcanoes and why?
9. What things influence the nature of a volcanic eruption?
10. How do volcanic eruptions affect people?
11. What are the warning signs of an impending volcanic eruption?
12. **What is the evidence for plate tectonics?**
13. What is the importance of plate tectonics?
14. What is the relationship between plate tectonics and the carbon cycle?
15. **What are the different types of plate boundaries and the geologic structures that form at them?**