

# Seismic Waves and Earth's Interior PPT

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**Essential Question:** How do I describe seismic waves?

1. What are the two types of seismic waves?

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2. What are the two types of body waves?

\_\_\_\_\_

3. What produces seismic waves?

\_\_\_\_\_

4. Which seismic wave can travel through earth?

\_\_\_\_\_

5. Which seismic wave can travel to the mantle, not the outer core ( liquid iron)?

\_\_\_\_\_

6. Which seismic wave only travel on the earth surface?

\_\_\_\_\_

7. What are the two types of surface waves?

\_\_\_\_\_

8. Which seismic waves stay on Earth's Surface?

\_\_\_\_\_

9. Which seismic wave refracts and cannot penetrate the core?

\_\_\_\_\_

10. Which seismic wave can penetrate the core but refracts?

\_\_\_\_\_

11. In what directions do the S, P, and Surface waves move?

S wave: \_\_\_\_\_

P wave: \_\_\_\_\_

Surface wave: \_\_\_\_\_

12. What Are Seismic Waves?

\_\_\_\_\_

13. Which is faster S or P wave?

\_\_\_\_\_

14. Where do seismic waves travel slowest and fastest?

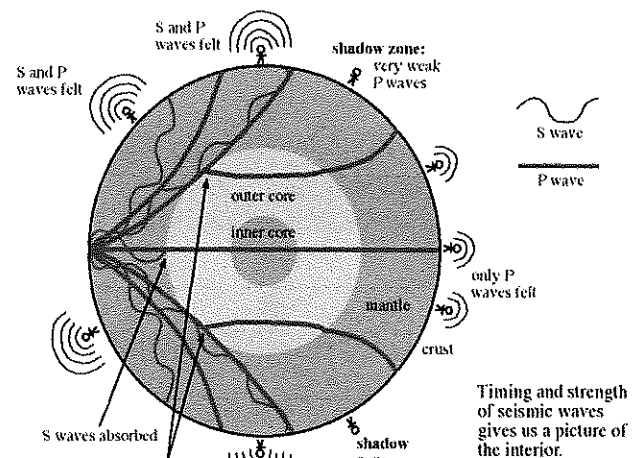
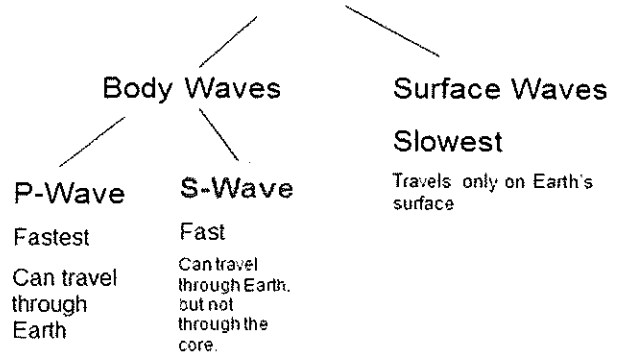
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15. Which type of wave can penetrate the outer and inner core?

\_\_\_\_\_

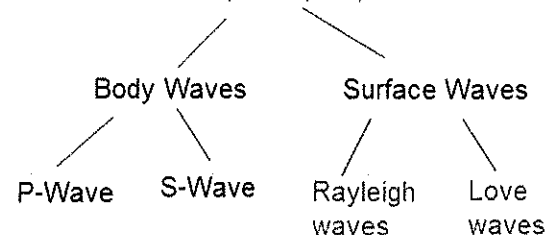
## Seismic Waves

are produced by Earthquakes



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→ : particle motion

