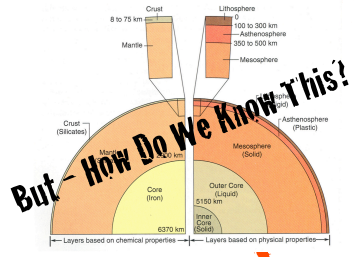


The Earth's Interior



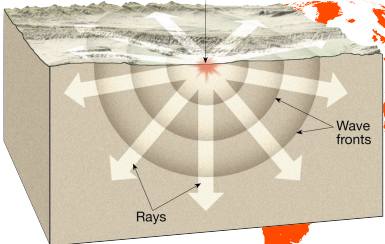
1

We can differentiate the earth's interior based on chemical properties or physical properties.



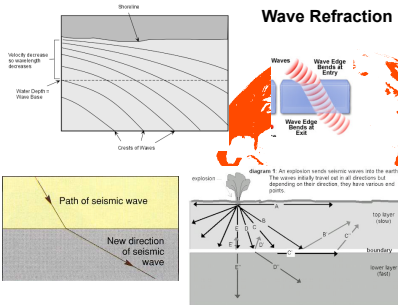
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Earthquake source



3

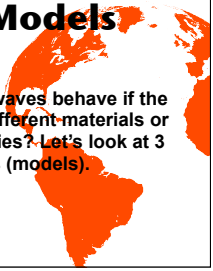
Wave Refraction



4

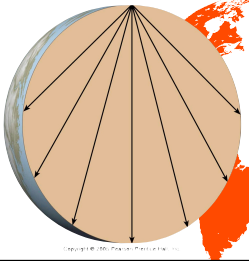
Earth Models

How would seismic waves behave if the earth was made of different materials or had different properties? Let's look at 3 different possibilities (models).



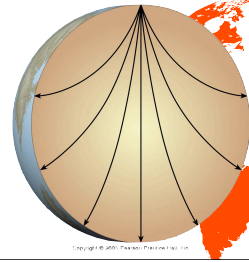
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Homogeneous Earth



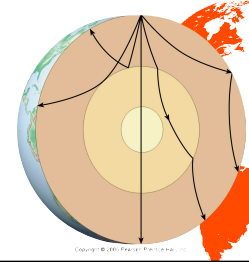
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Changing Density

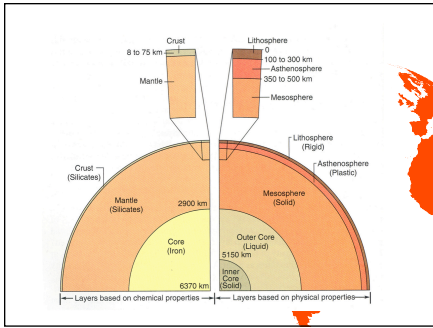


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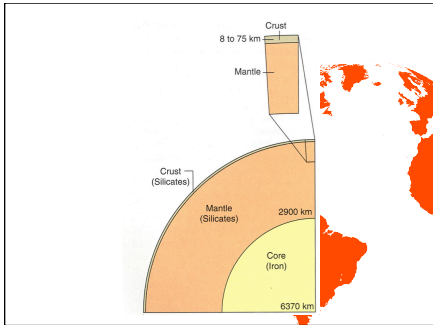
Layered Earth



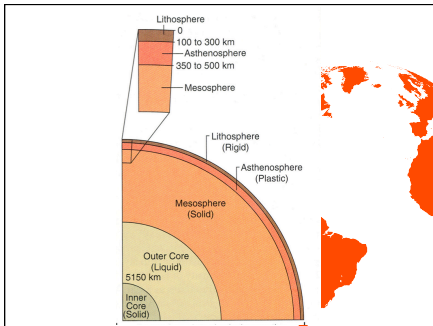
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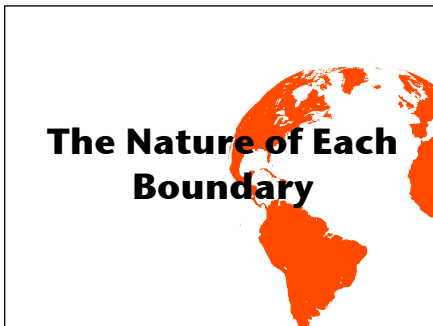
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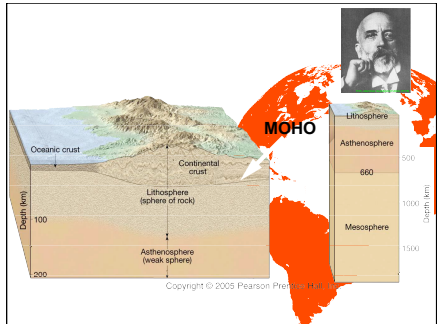


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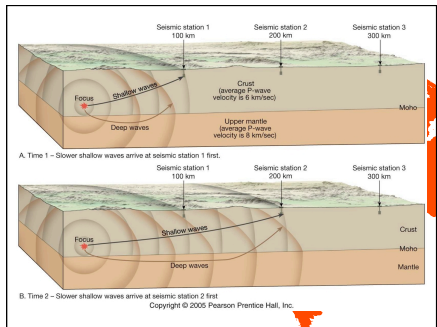
The Crust/Mantle Boundary



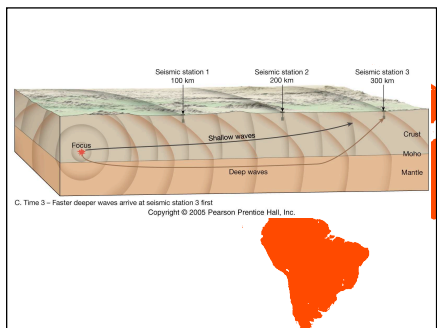
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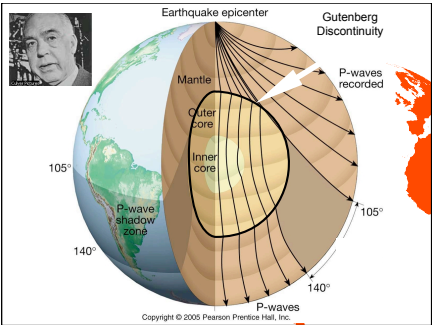


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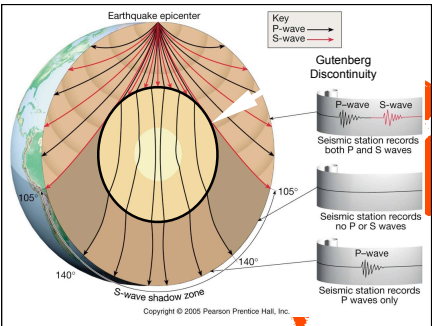
The Core/Mantle Boundary



17



18

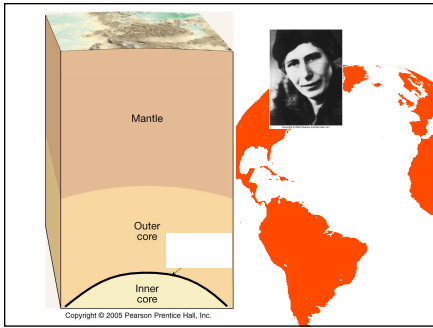


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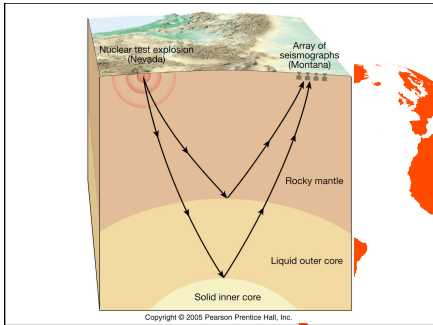
The Inner Core/Outer Core Boundary



20



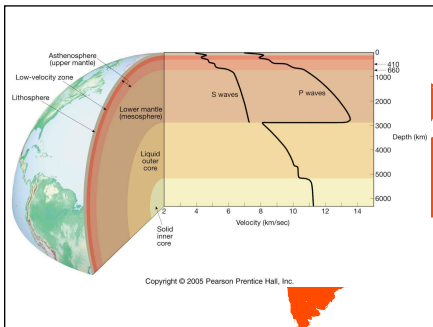
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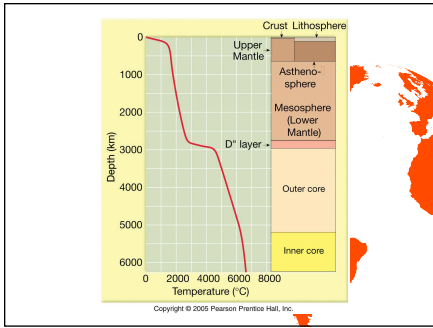
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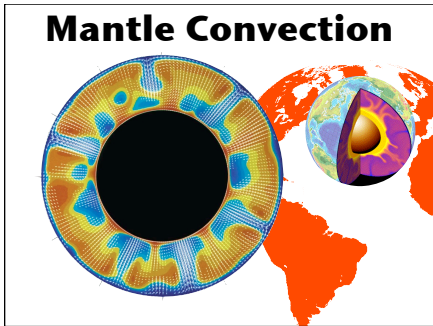
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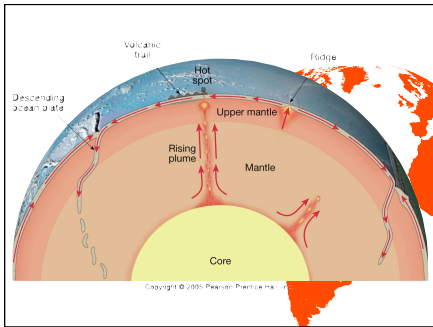
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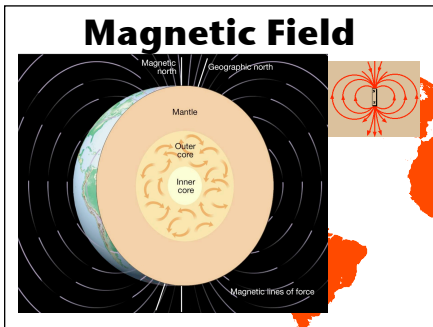
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Next Lecture
Continental Drift



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