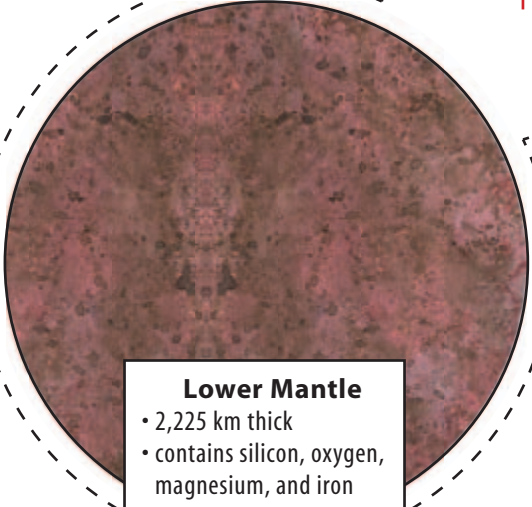
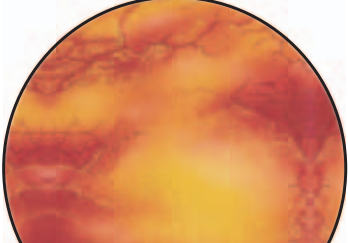


**Earthquake ActiveFolder**  
Earth's layers overlays and activity cards



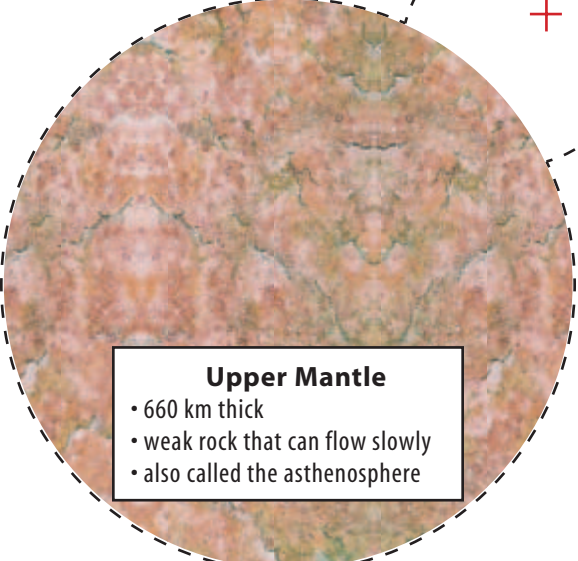
**Lower Mantle**

- 2,225 km thick
- contains silicon, oxygen, magnesium, and iron



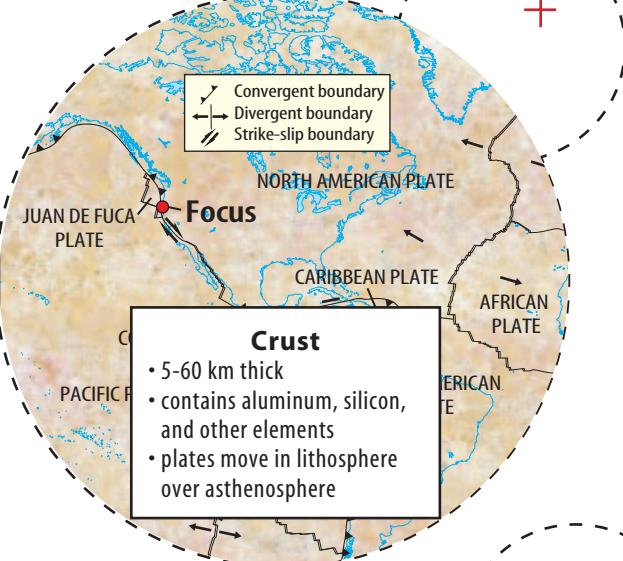
**Outer Core**

- 2,278 km thick
- hot liquid iron and nickel
- movement causes magnetic field



**Upper Mantle**

- 660 km thick
- weak rock that can flow slowly
- also called the asthenosphere




**Crust**

- 5-60 km thick
- contains aluminum, silicon, and other elements
- plates move in lithosphere over asthenosphere

Convergent boundary  
 Divergent boundary  
 Strike-slip boundary

NORTH AMERICAN PLATE  
 JUAN DE FUCA PLATE  
 Focus  
 CARIBBEAN PLATE  
 AFRICAN PLATE  
 PACIFIC PLATE  
 AMERICAN PLATE


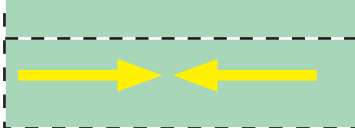
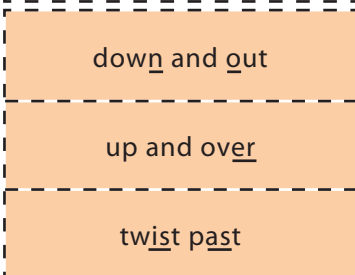


**World Continents and Oceans**

Epicenter

Fault definition cards

**Direction of land movement cards**

break in rock caused by tension forces, where rock above fault surface moves down relative to the rock below fault surface	
break in rock caused by compression forces, where rock above fault surface moves upward relative to rock below fault surface	
break in rock caused by shear forces, where rocks move past each other without much vertical movement	

down and out  
 up and over  
 twist past

Key idea cards