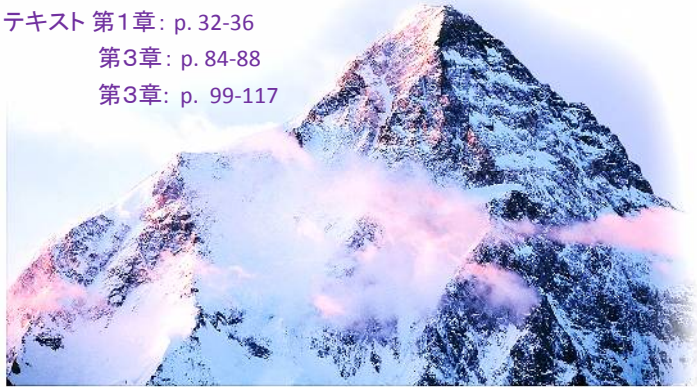


# 地学概論A

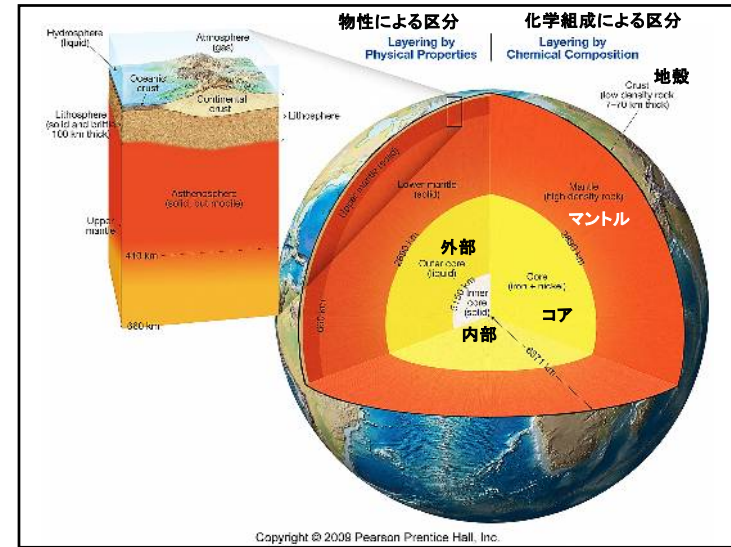
# Principles of Earth Science A

## 第5回. プレート・テクトニクス:地球の大地形との関係

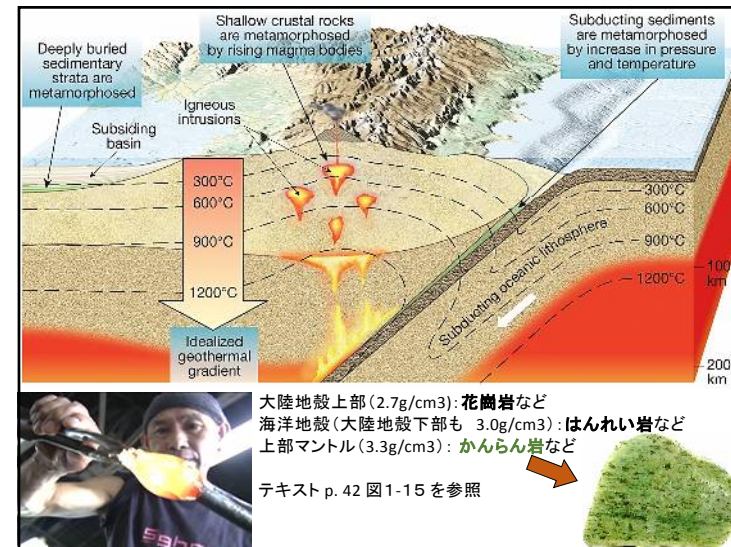
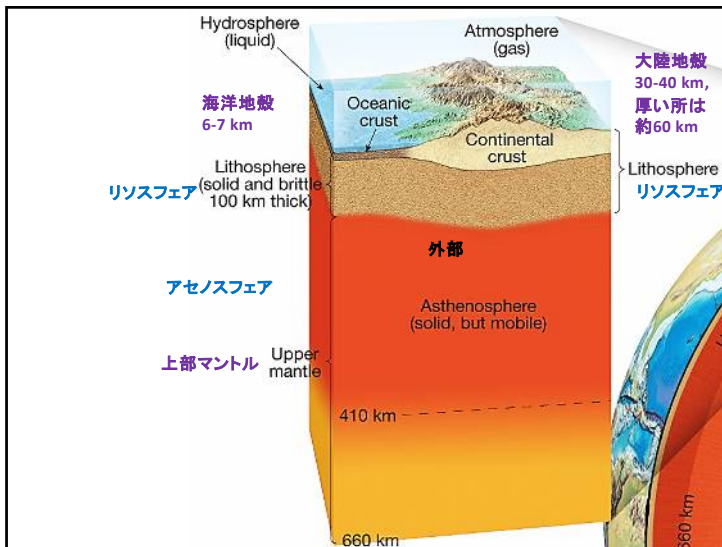
テキスト 第1章: p. 32-36  
 第3章: p. 84-88  
 第3章: p. 99-117

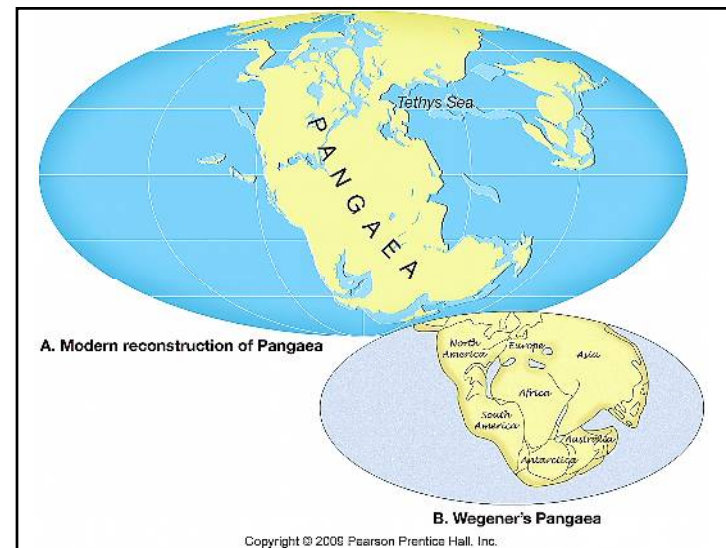
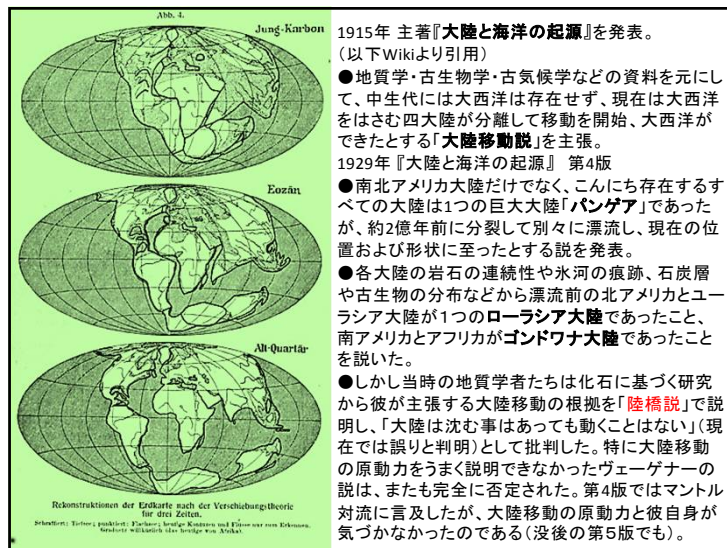
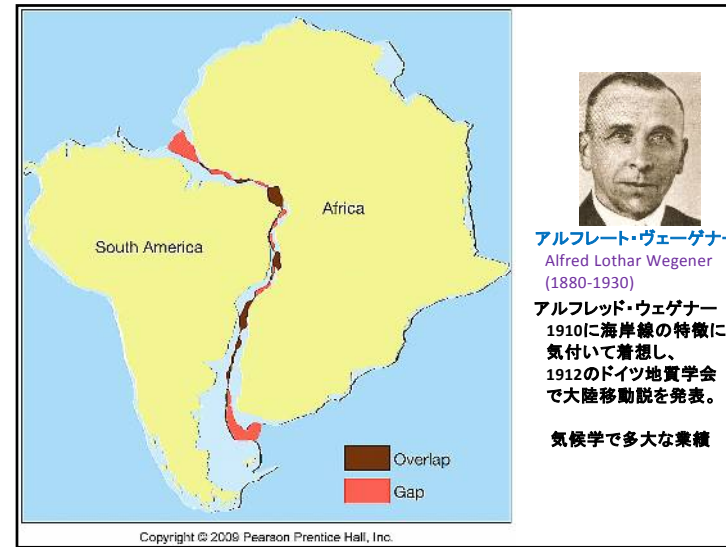


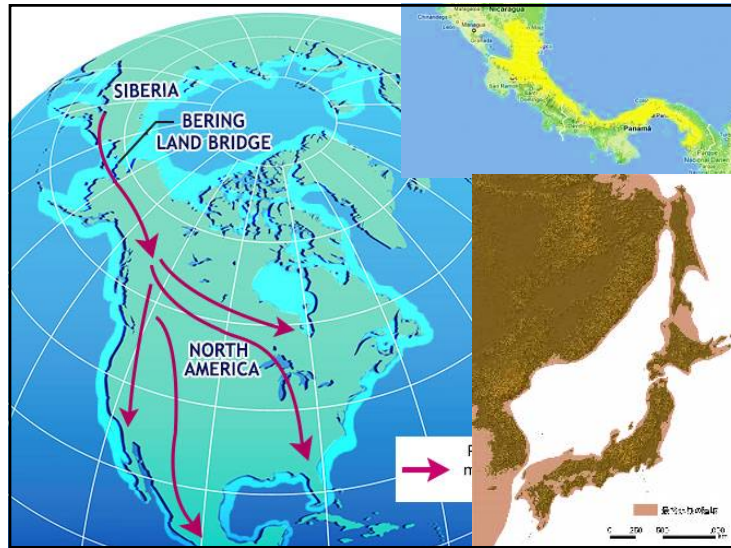
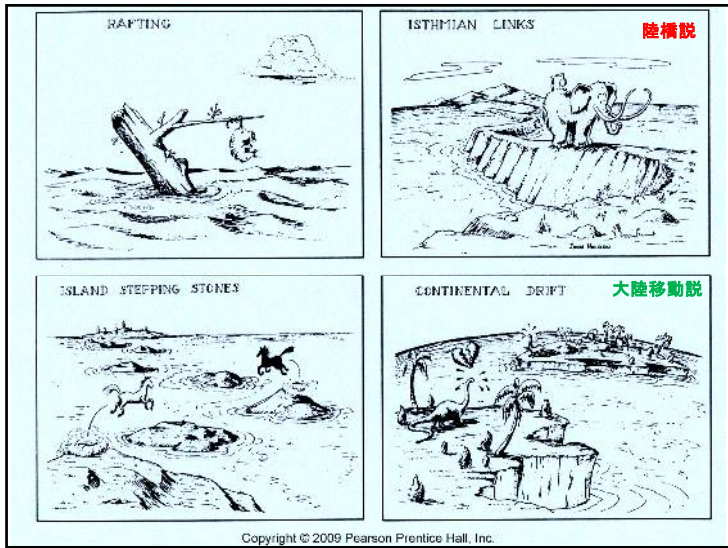
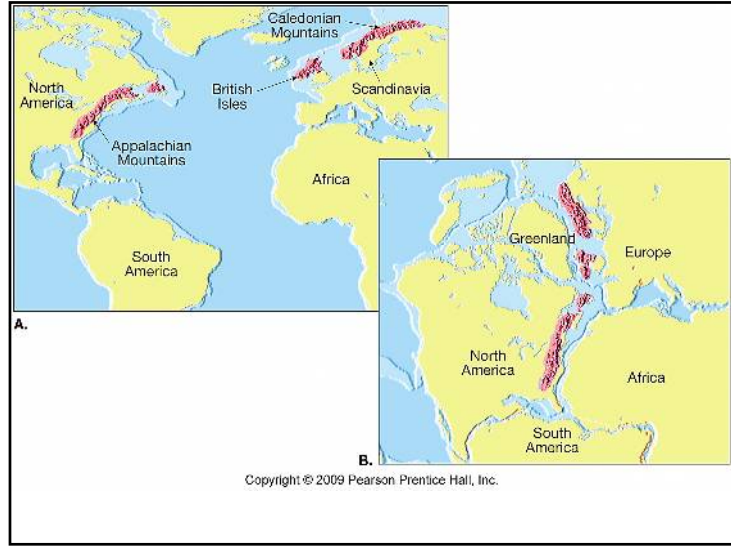
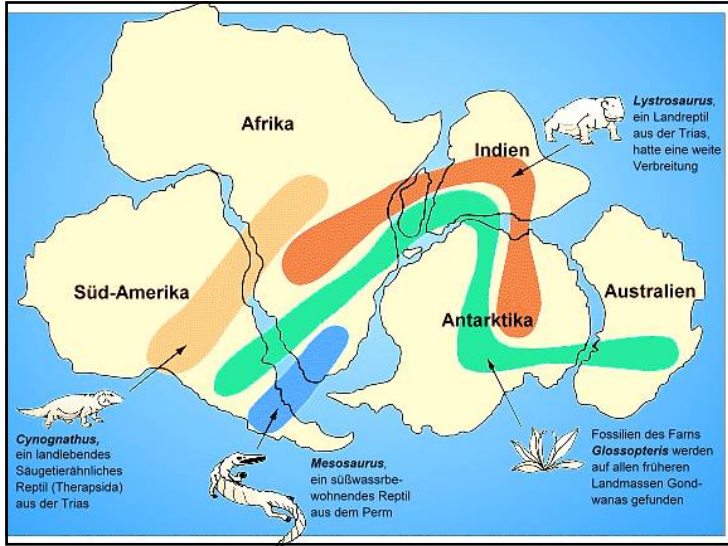
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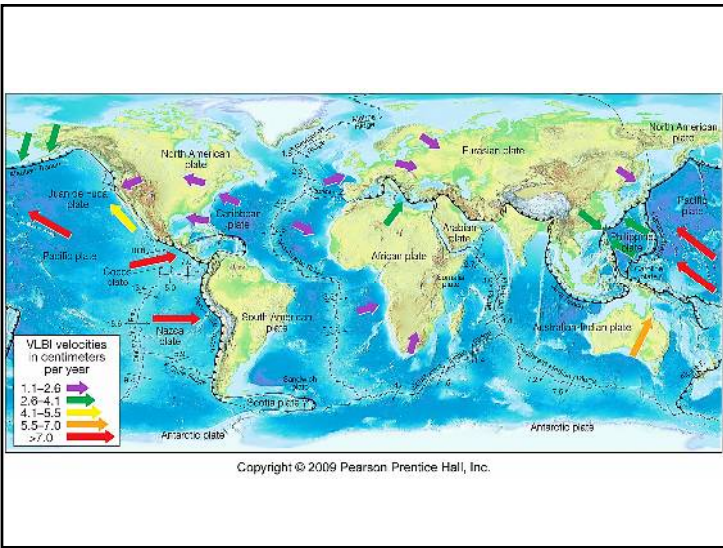
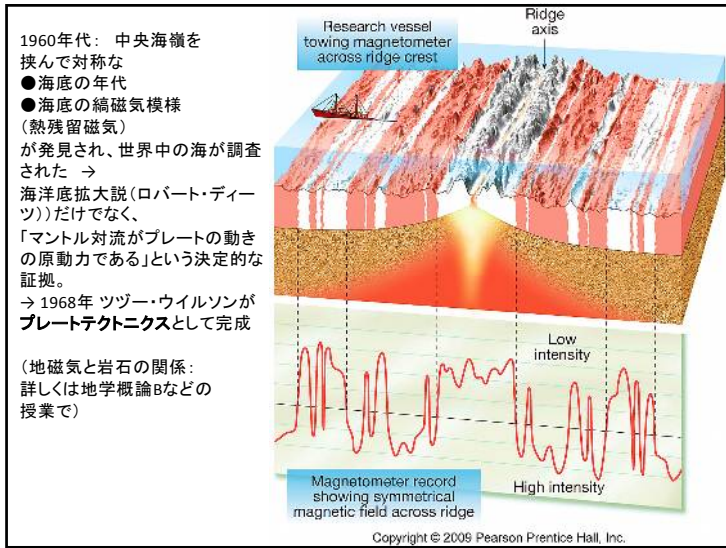
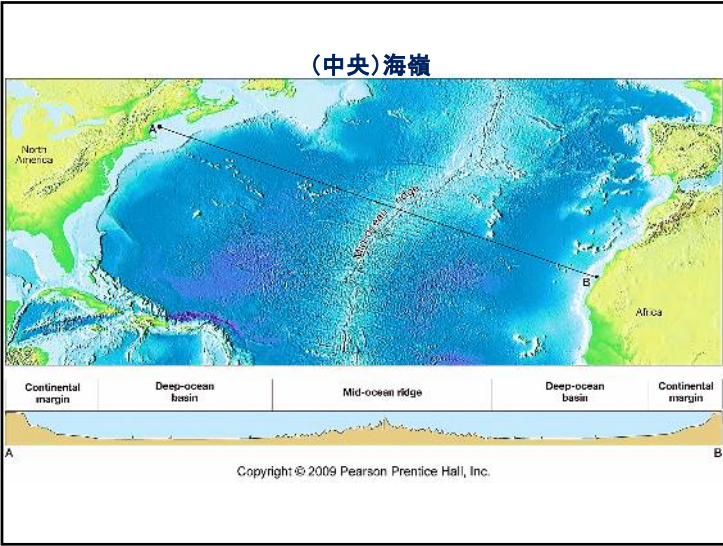
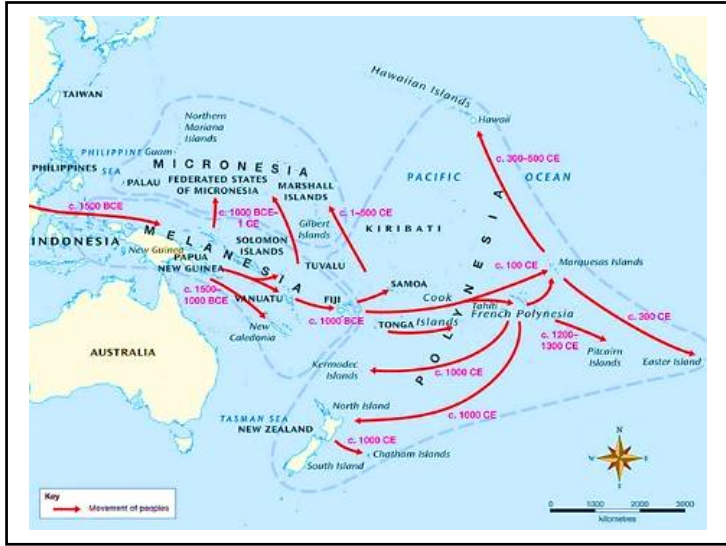


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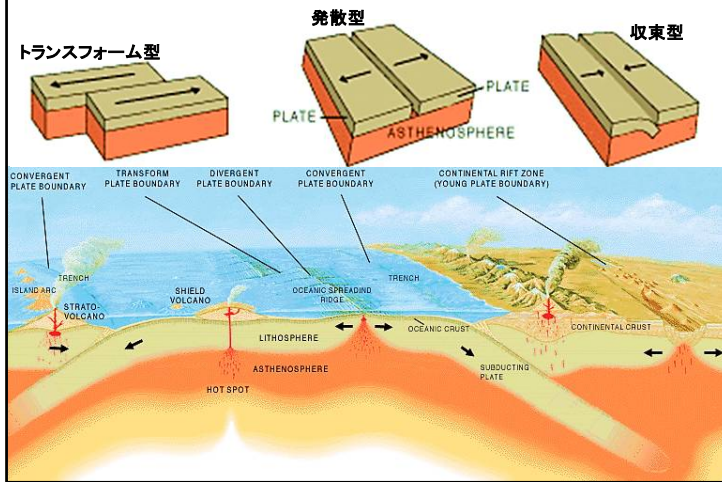




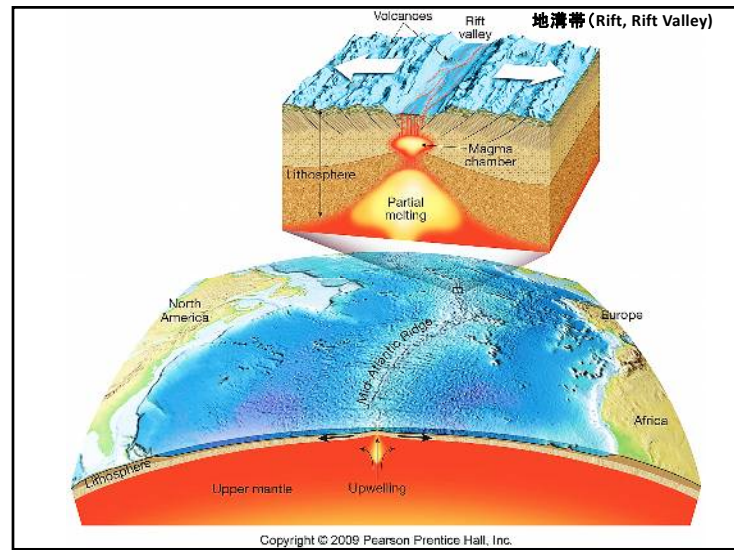
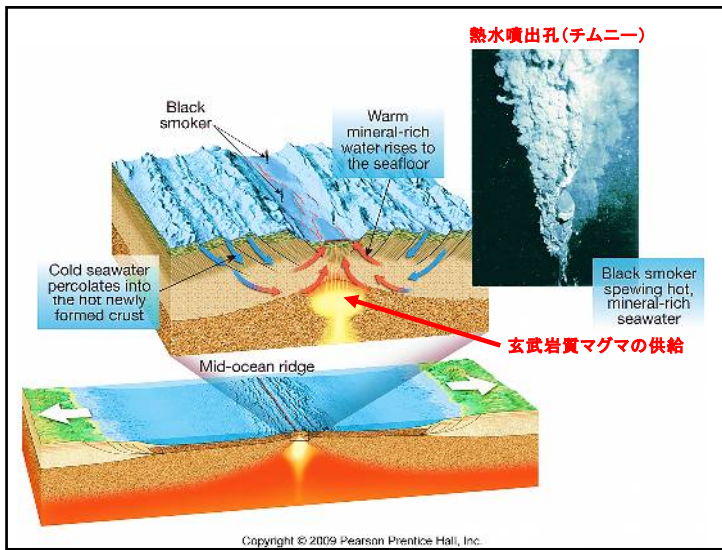
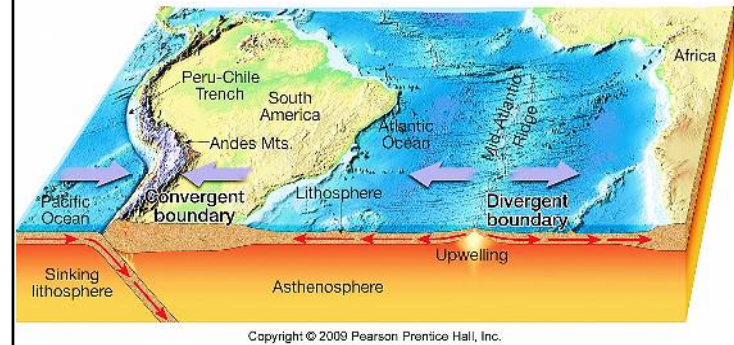


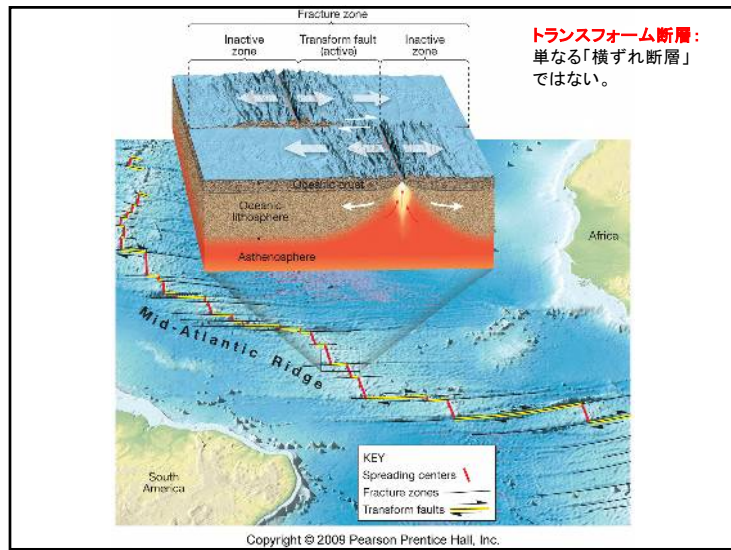
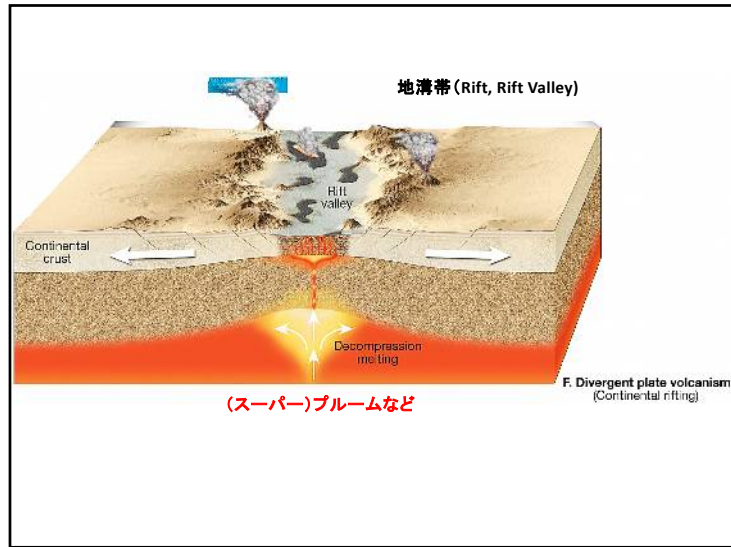
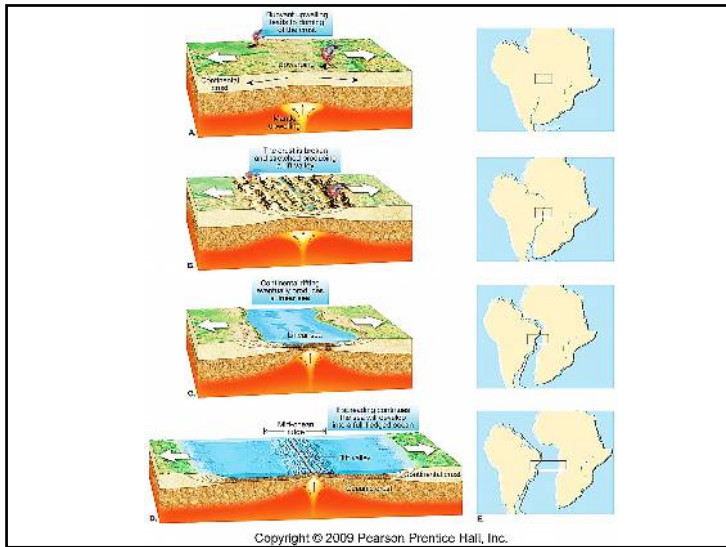


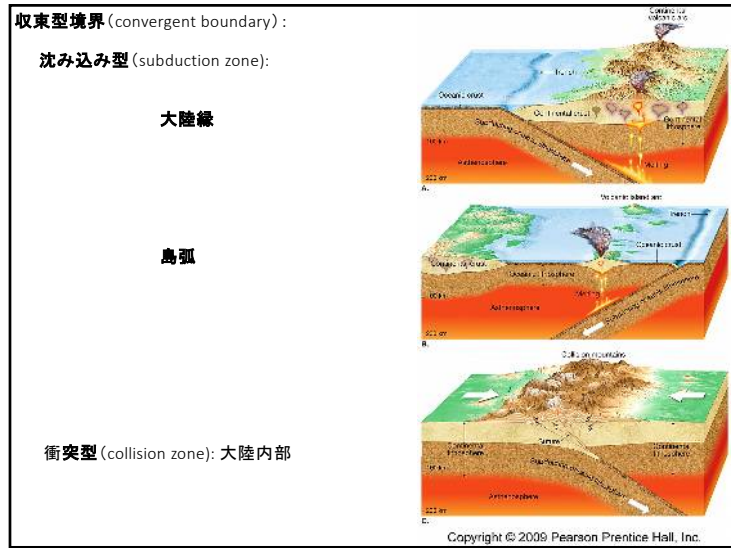
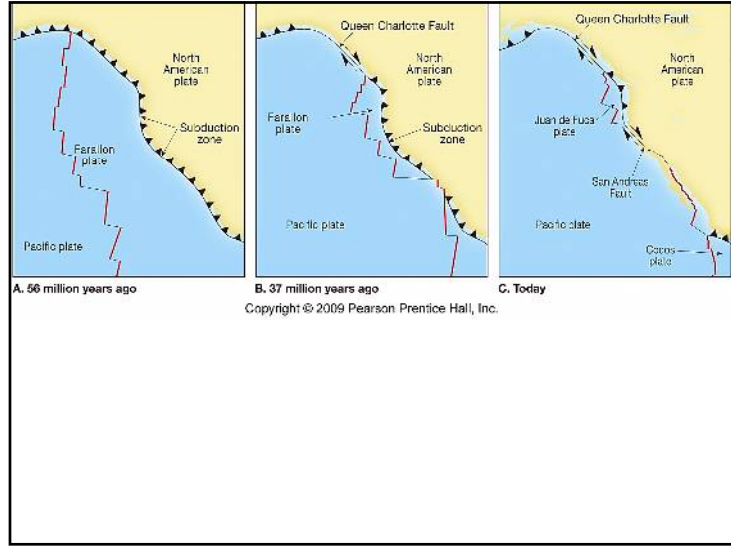
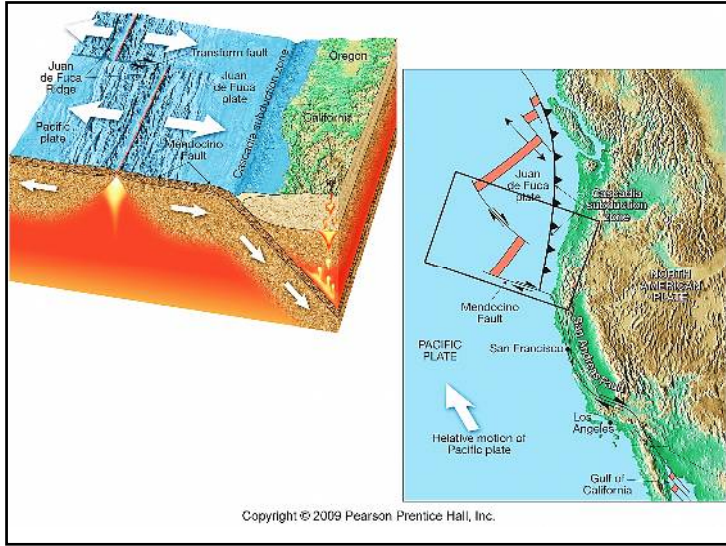
3種類のプレート境界 (Wiki)

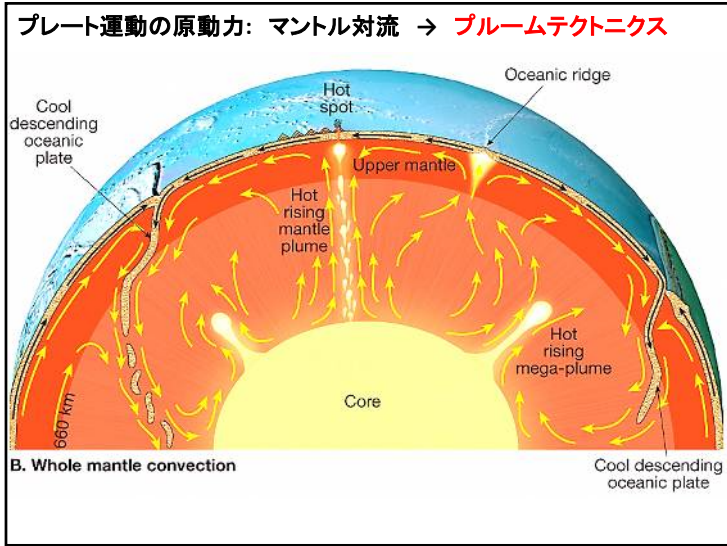
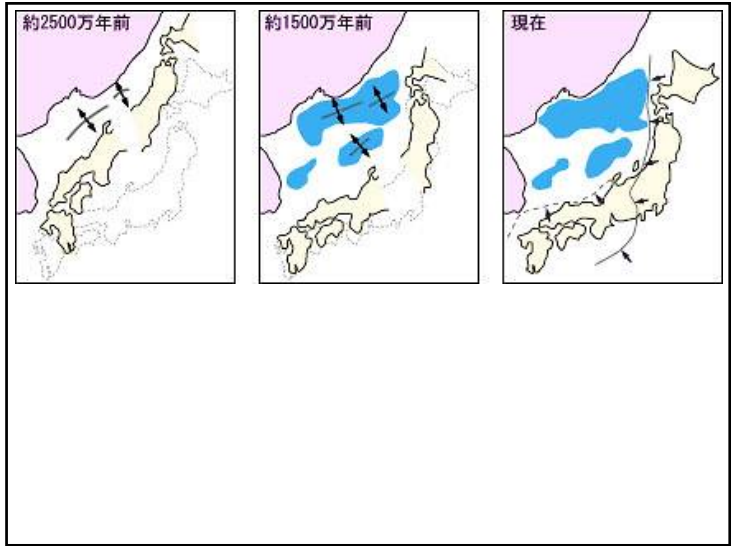
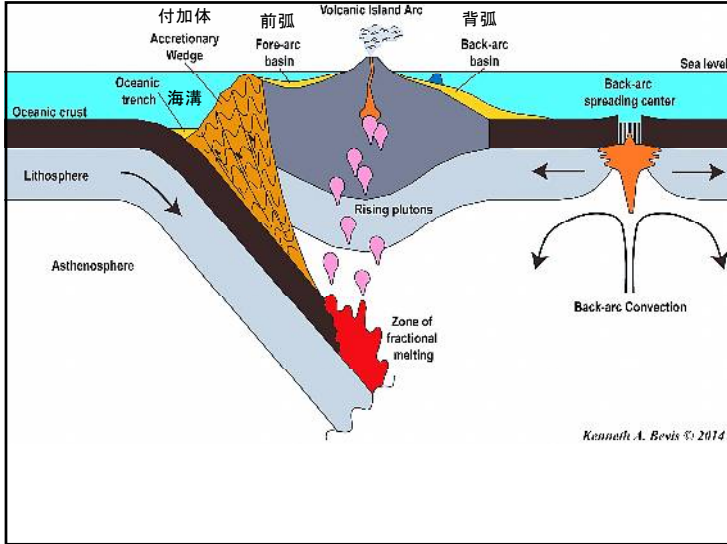
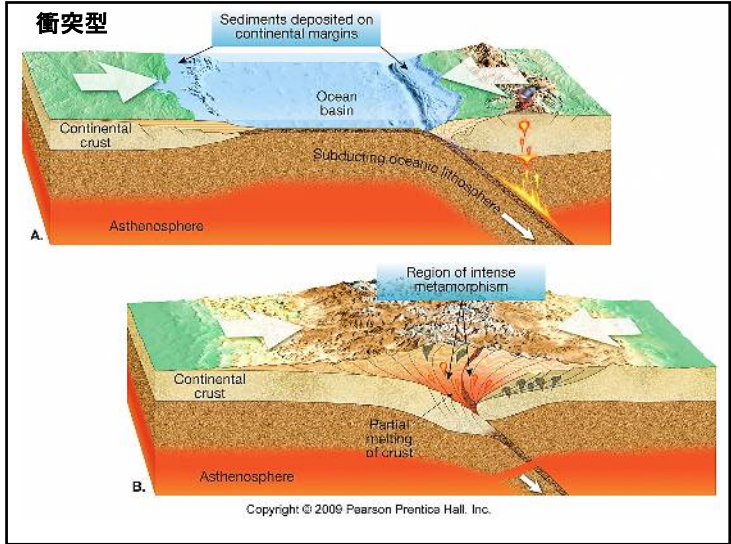


発散型 (Divergent Boundary):  
例: 大西洋中央海嶺 (Mid-Atlantic Ridge) など

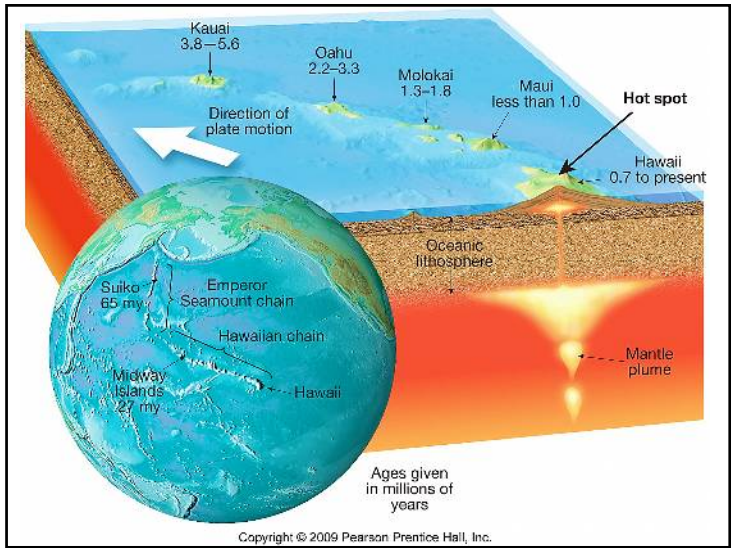
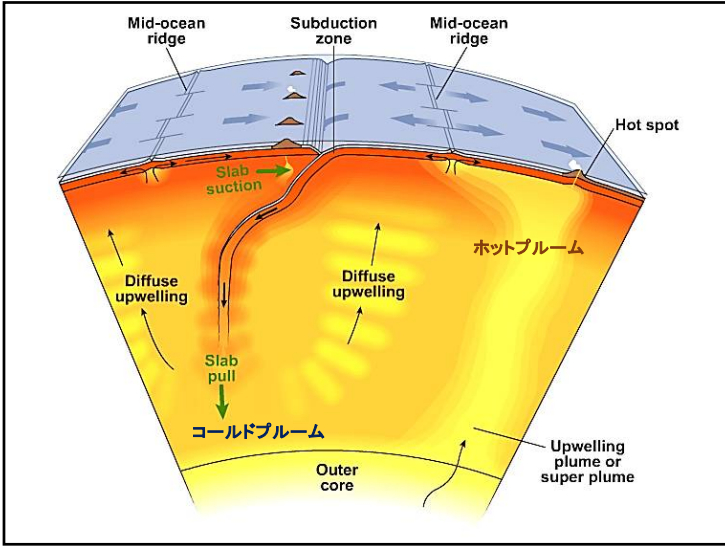
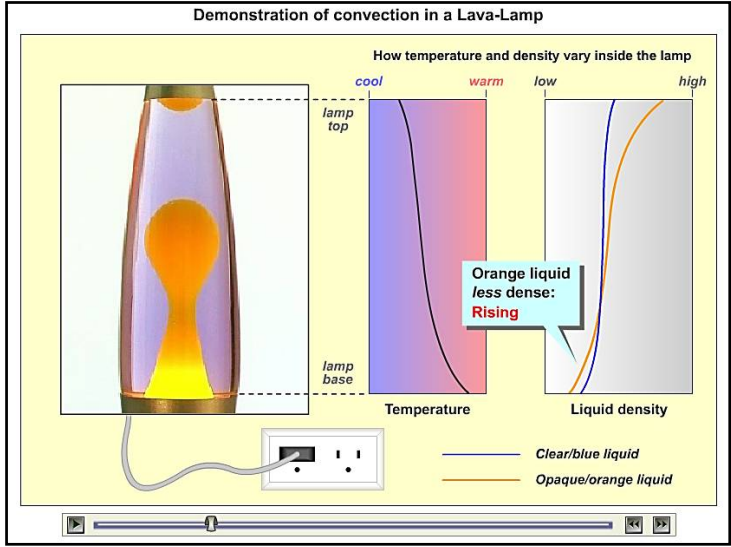












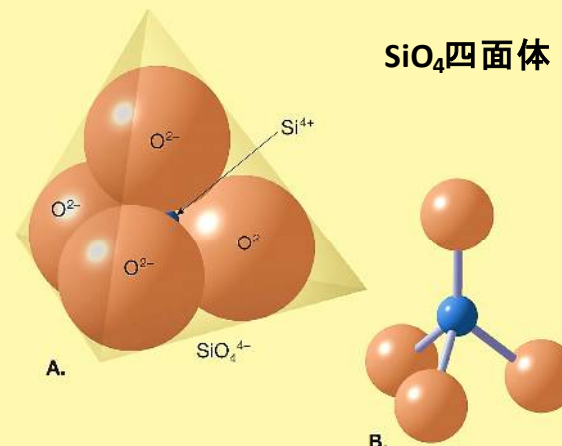
石英



Quartz

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SiO<sub>4</sub>四面体



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ケイ酸塩鉱物

Classification	Chemical Formula	Crystal Structure	Mineral
Orthopyroxene Ca <sub>2</sub> Mg <sub>2</sub> Si <sub>2</sub> O <sub>10</sub>	Ca <sub>2</sub> Mg <sub>2</sub> Si <sub>2</sub> O <sub>10</sub>	Orthopyroxene structure	Orthopyroxene
Orthopyroxene Ca <sub>2</sub> Mg <sub>2</sub> Si <sub>2</sub> O <sub>10</sub>	Ca <sub>2</sub> Mg <sub>2</sub> Si <sub>2</sub> O <sub>10</sub>	Orthopyroxene structure	Orthopyroxene
Orthopyroxene Ca <sub>2</sub> Mg <sub>2</sub> Si <sub>2</sub> O <sub>10</sub>	Ca <sub>2</sub> Mg <sub>2</sub> Si <sub>2</sub> O <sub>10</sub>	Orthopyroxene structure	Orthopyroxene
Amphibole	Ca <sub>2</sub> Mg <sub>5</sub> (Si <sub>4</sub> Al <sub>2</sub> ) <sub>7</sub> O <sub>22</sub> (OH) <sub>2</sub>	Amphibole structure	Amphibole
	Ca <sub>2</sub> Mg <sub>5</sub> (Si <sub>4</sub> Al <sub>2</sub> ) <sub>7</sub> O <sub>22</sub> (OH) <sub>2</sub>	Amphibole structure	Amphibole
Feldspar	CaAl <sub>2</sub> (Si <sub>2</sub> Al <sub>2</sub> ) <sub>2</sub> O <sub>8</sub>	Feldspar structure	Feldspar
	CaAl <sub>2</sub> (Si <sub>2</sub> Al <sub>2</sub> ) <sub>2</sub> O <sub>8</sub>	Feldspar structure	Feldspar
Quartz	SiO <sub>2</sub>	Quartz structure	Quartz
	SiO <sub>2</sub>	Quartz structure	Quartz

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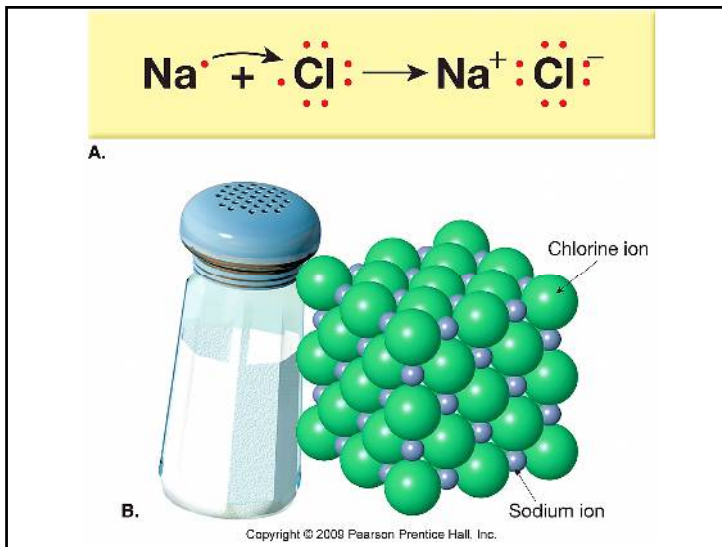
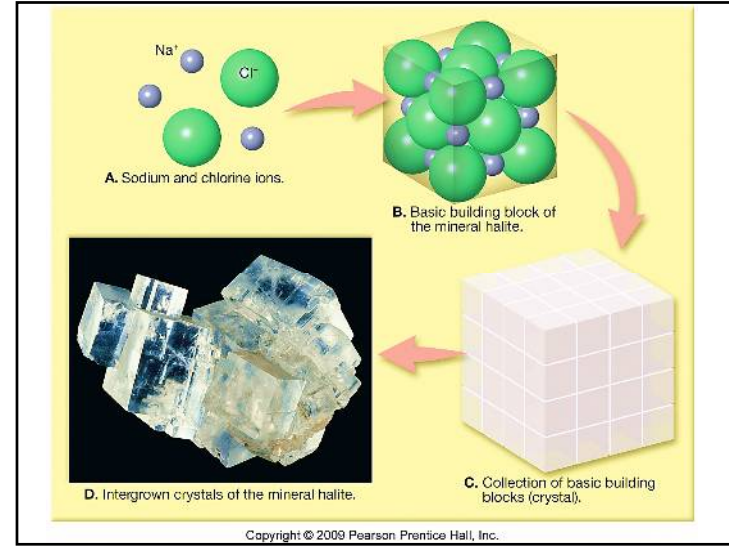
火山ガラス



例外「鉱物でない物」。つまり、結晶にみられる、決まった化学組成や原子配列を持たない。

B. Hand sample of obsidian.

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## 来週の授業とテキストの関連

### 第6回 堆積環境(山から川・海へ)とプロセス(1)

第4章 1 of 2: p. 120-132

第7章 2 of 5: p. 231-233

鉱物 (本日の続き)

第2章 p. 48-56