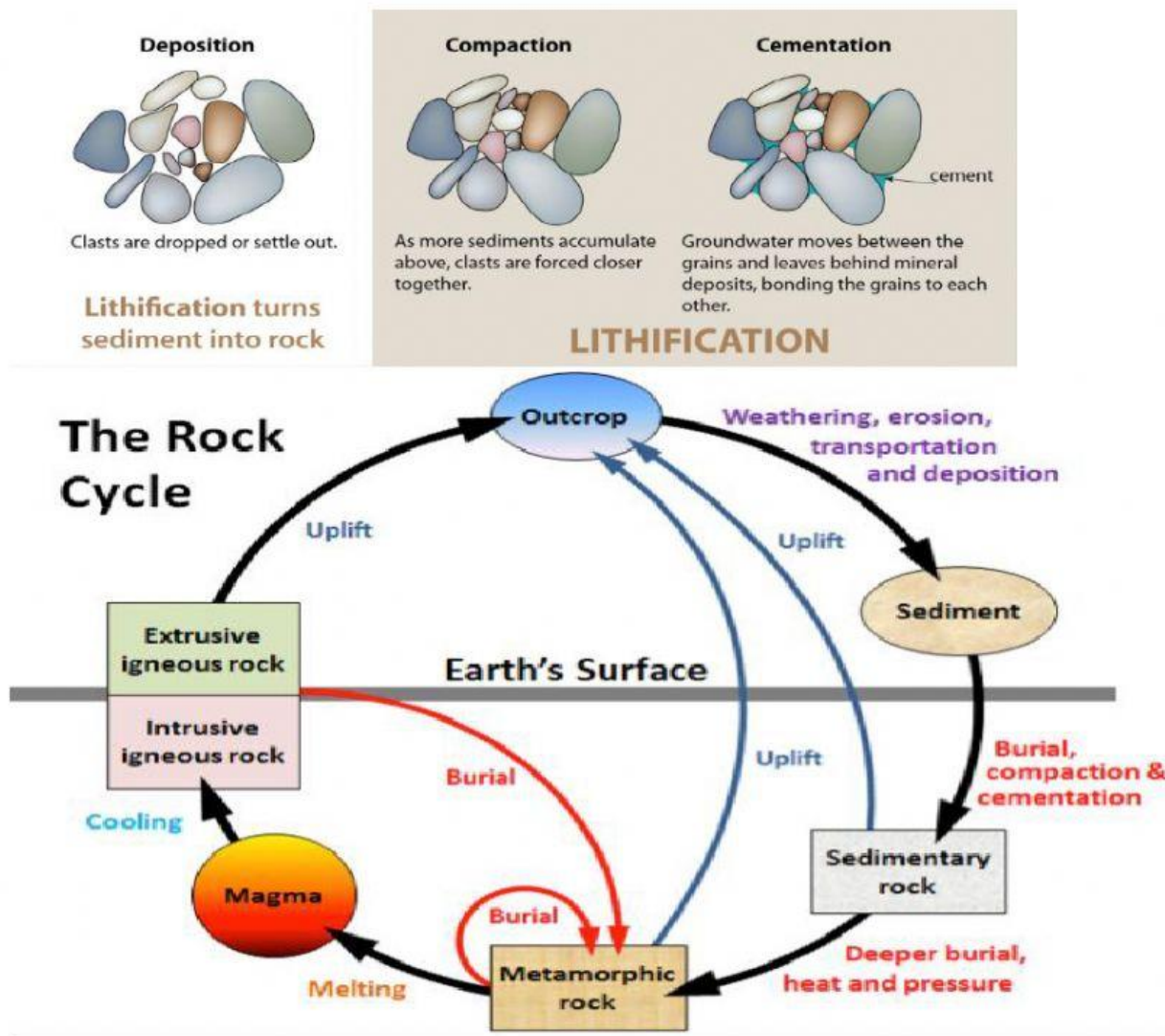

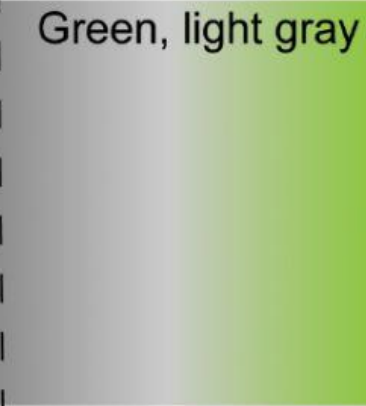



#### 4.11 Lithification of Sedimentary Rocks



#### Depositional Environment Based on Rock Color

Black, dark gray	Green, light gray	Red, orange, brown, yellow
		
<b>Deep Marine</b> No Oxygen	<b>Shallow Marine</b> Low Oxygen	<b>Continental</b> Oxygen-rich

Daniel Hauptvogel  
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1. How does compaction lead to lithification?
  
2. How does cementation lead to lithification?
  
3. How do chemical sedimentary rocks form?

1. What is the source of the water in this stream?
2. What do you think a poorly sorted sediment looks like?
3. What do you think a bimodal sediment looks like? Note that clasts is another name for a rock or rock fragment.
4. Why would a sediment become well rounded?

5. What is precipitating around the clasts?

6. How do the rocks stick together to undergo lithification?

7. How can rocks form at surface temperatures and pressures?