

- 1) Draw and label a complete cross-section through a regressive carbonate platform. See Lecture 32, slide 2. Remember that regression means aggrading and prograding. This should fill up approximately 1 page. Include labels for both Folk and Dunham rock names in the subsurface, indicate which carbonate constituents you expect to see in each environment, and label by location the dominant mechanisms for sediment transport.

**Due: Mon, April 17, 10 AM**

Dominant Transport Mechanisms

Settle-out

Sediment-Gravity Flows

Waves

Waves & Tides

Mean Sea Level

Reef

Lagoon

Tidal Flat

Slope

Basin

Micrite  
Mudstone

Wackestone  
Packstone  
Intramicroite

*Biolithite*  
Boundstone

Grainstone  
Oosparite  
Biosparite

Wackestone  
Mudstone  
Biomicrite  
Pelmicrite  
Micrite

Micrite  
Mudstone

