## **Interpreting Depositional Environments by Observing Sedimentary Rock**

Learning objectives:

- Determine what types characteristics of sedimentary deposits can be used as clues for interpreting depositional environment
- Become familiar with the different types of depositional environments
- Define the sedimentological and fossil characteristics that typify the deposits formed in each depositional environment

## Part 1:

List the types things you can look for (i.e. observations you can make) in a sediment rock or a sedimentary bed that might tell you something about depositional environment:

Brainstorm area:	1
	2
	3
	4
	5
	6.
	7.
	8.

## Part 2:

For each image on the powerpoint slides shown in class, name the depositional environment and indicate whether it is a non-marine, transitional, or marine depositional environment by marking an X on the table

Image	Depo. Environ.	Terrestrial	Transitional?	Marine?
		?		
Α				
В				
С				
D				
E				
F				
G				
Н				
I				
J				
K				
L				

N/I		
IVI		

## Part 3:

For each depositional environment, predict what characteristics of the sediment deposited

Rock type(s)	Sorting and rounding	Sed. Structures	Fossils (body and/or trace)
	Rock type(s)	Rock type(s)  Sorting and rounding	