

Name: _____

Weathering and Erosion Observation

Field Site Name: _____

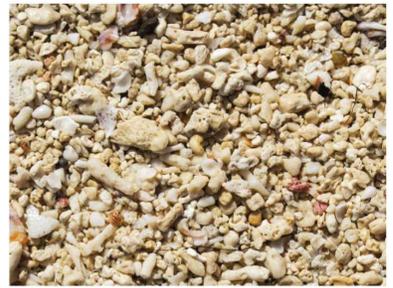
What colors do you see?	
What patterns do you notice?	
Are there shiny, dull, or sparkly surfaces?	
What does it feel like?	
What rock types are present here?	
Describe two other features of what you see:	- -
What surface processes are affecting this outcrop? (Be specific)	
Is this an example of mechanical weathering or chemical weathering (or both)?	
Hypothesize what this outcrop may look like in 100 years if the weathering continues the way it has been (say why you think so)	

Name: _____

In the space below draw a simple sketch of the outcrop. Be sure to point out the features you described in your observations:

Name: _____

Match the sediments with the outcrops that they most likely weathered from.



Name: _____

In the following pictures identify any two examples of weathering or erosion.



(Acadia National Park, Maine)

Name: _____



(Makoshika State Park, Montana)

Name: _____



(Yellow Stone National Park, Wyoming)

Name: _____



(Fox Glacier, New Zealand)

Name: _____

What weathering and erosional forces will a sandstone slab in a hot and windy desert experience? What about a granite slab in a cold and wet forest? Which do you think will break down faster?

Why do you think the mineral quartz is the most abundant grain of sand?

How does plate tectonics play a role in weathering and erosion?

Billions of years ago the atmosphere on Earth had much less oxygen than it does today, how do you think this might have impacted weathering and erosion?

In what ways can plants increase rates of weathering and erosion and in what ways can they decrease rates of weathering and erosion?