**8th Grade Science  
Miss Ulmer  
Weathering, Erosion, and Deposition Study Guide**

**Rocks and Weathering**

1. Explain the difference between weathering and erosion?
2. What are the two different types of weathering?
3. Give five examples of mechanical weathering.
4. How does ice-wedging break down rock?
5. Give five examples of agents (things that cause) chemical weathering
6. What are the two most important factors that influence the rate of chemical weathering?
7. Why does chemical weathering occur more quickly in a hot climate?

**Water and Erosion**

1. What five factors determine the amount of runoff in an area?
2. Put the following in order of how water flows and write the definitions: gully, rills, river, stream
3. What is a tributary?
4. Describe the process of how rivers develop meanders.
5. Describe the process of how a waterfall forms.
6. How is a V-shaped valley formed, and how is a U-shaped valley formed?
7. What are two landforms created from DEPOSITS from rivers?
8. What is the difference between erosion and deposition?
9. Describe the process of the formation of stalactites and stalagmites, using the words carbonic acid, calcite, and deposits.

**Glaciers**

1. What are the three things that make something a glacier?
2. Explain the difference between continental and valley glaciers
3. What happened to North America during the last Ice age?
4. Where can glaciers form?
5. What two ways to glaciers erode the land?
6. Define till, moraine, and kettle
7. What is the difference between glacial erosion and glacial deposition?

**Waves**

1. How do waves form?
2. What two ways do waves erode land?
3. What is the difference between erosion and deposition?
4. What are three landforms created by wave EROSION?
5. What are three landforms created by wave DEPOSITION?

**Wind**

1. What are two landforms created by wind deposition
2. Circle one: wind is the ( Strongest Weakest ) agent of erosion
3. What two reasons does does wind cause so much erosion in the DESERT?
4. What is the different between abrasion and deflation?
5. What landform does deflation cause?
6. Explain how heavier sediments and lighter sediments are carried by wind (talk about wind speed)