

Weathering Notes - Geology 12

1) From the video list THREE processes at work modifying the earth's surface

2) **Changing Landscapes:** The processes that modify the surface are slow and continuous.

- Glaciers _____
- Cliffs _____
- Talus Slopes _____

3) Complete ... All earth materials _____

4) Complete ... Rocks that are attacked first become _____

5) Fractures joints and cracks affect the rate of weathering because ...?

6) What is the relationship between surface area and weathering rates?

7) The two types of weathering are ... (fill in the chart)

Physical Weathering	Chemical Weathering

Physical Weathering examples:

Briefly describe each:

- 1) Abrasion: _____
- 2) Freeze thaw: _____
- 3) Exfoliation: _____
- 4) Plant roots: _____

Chemical Weathering

Chemical weathering is _____

Briefly describe each:

1) Solution weathering: _____

2) Iron Minerals: _____

3) Copper Minerals: _____

4) Feldspar minerals: _____

5) Lichens: _____

Combination Effects:

1) Why do **Physical** and **Chemical** weathering processes often operate in combination?

2) Draw a flowchart to show the relationship between Weathering, Erosion and Deposition