Notes: Weathering/Earth Science/Miss Cohn

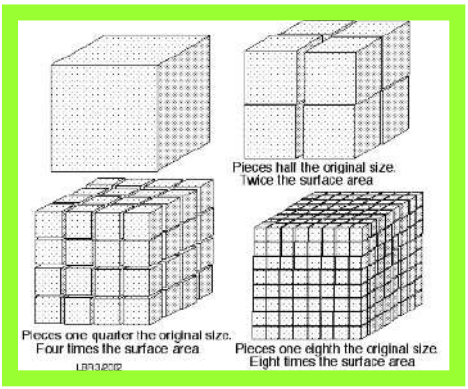
Name:_____ Date:_____

Weathering is defined as:

There are two types of weathering:

1.) Physical/Mechanical Weathering:

2.) Chemical Weathering:

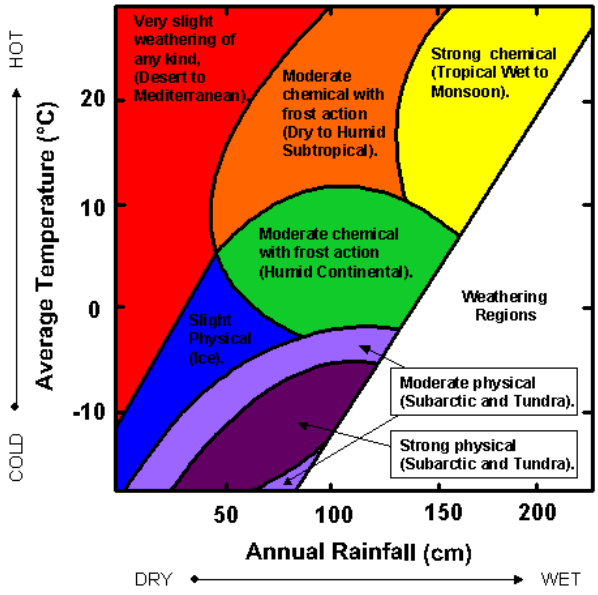


How fast a rock weathers is determined by:

1.) The _____ of material _____ at the surface .
   a. As the surface area _____, the rate of weathering _____. (This means that smaller particle sizes, of the same composition, will weather faster).

2.) _____- This refers to the average moisture and/or heat available in a geographic location

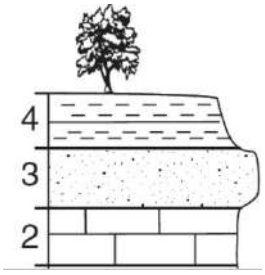
   Looking at the diagram to the right:
   a. Strong chemical weathering dominates in areas with _____ annual rainfall and _____ average temperature.
   b. Strong and moderate physical weathering dominates in areas with moderate to high annual rainfall and average annual temperatures that reach below _____ C.
   c. Slight weathering of any kind, takes place in areas with _____ average temperatures and very low annual rainfall.



3.) _____ _____:
   a. Chemical:

   b. Physical:

Key Concept: The more resistant rock will be weathered _____ than the _____ ones. Which layer in the diagram to the right is the most resistant to weathering?



Types of Weathering	Name and Physical/Chemical?	Description