



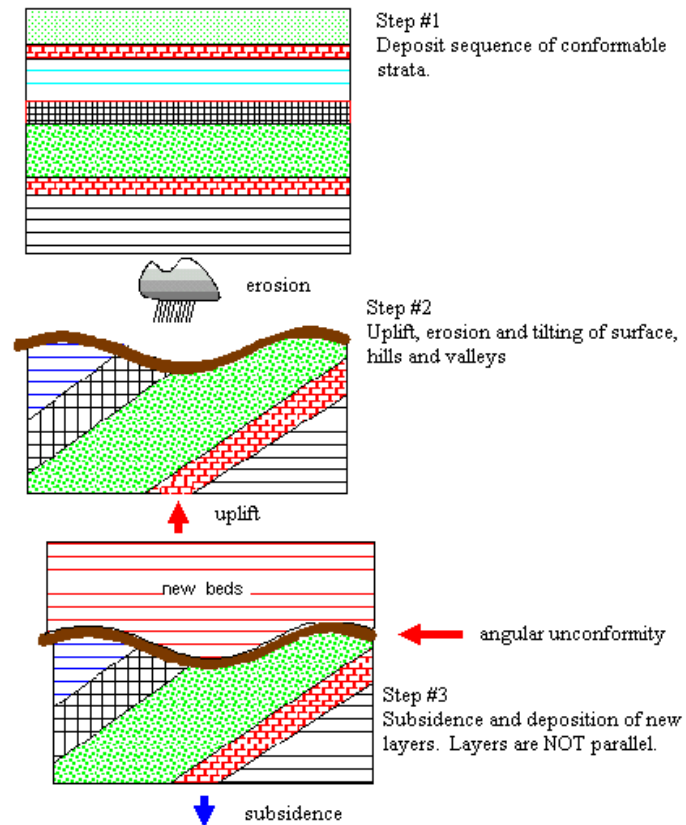
# 100 Illustrated Ways to Pass the Earth Science Regents with Sample Questions and Games

\*\*\*This is a copy of the online review sheet located at: ([www.ReviewEarthScience.com/100ways](http://www.ReviewEarthScience.com/100ways)). Many of the images located in the online version are animations or pictures which show movement. In order to get the most out of this review sheet, the online site should be visited! This sheet does not do the online version justice! Additionally, the online version has practice regents questions and online games! \*\*\*

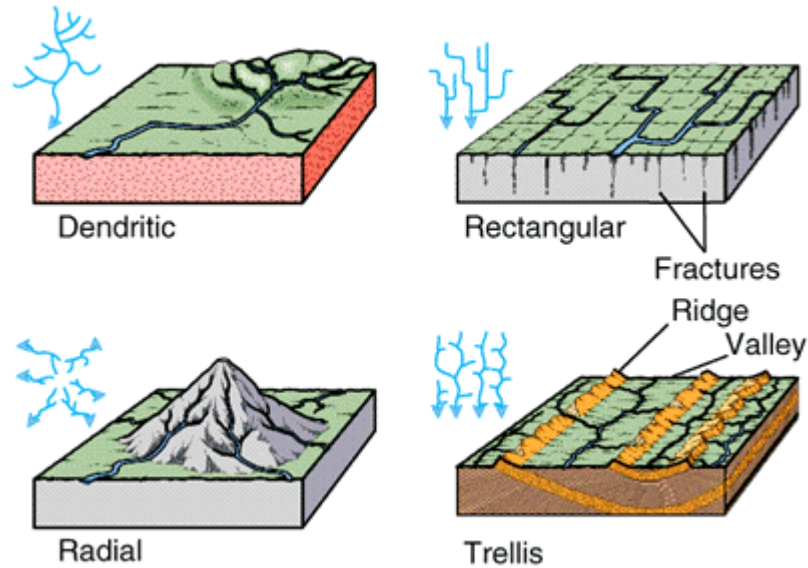
**71** Isostasy: earth's crust in equilibrium.

**72** Unconformity is a buried erosion surface that represents a gap in the rock record.

## Angular unconformity

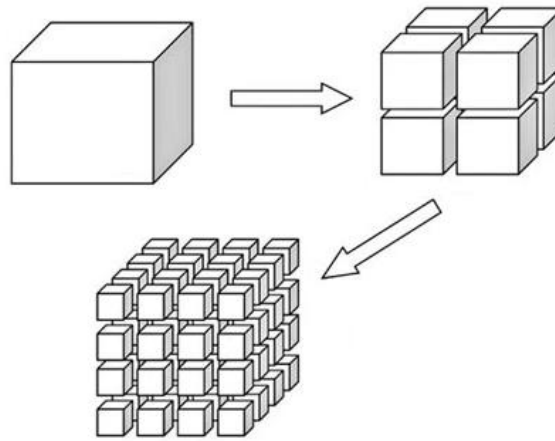


**73** The four principal types of drainage pattern are related to the underlying regional geology. They are: Dendritic (random), Rectangular, Radial and Trellis (block).

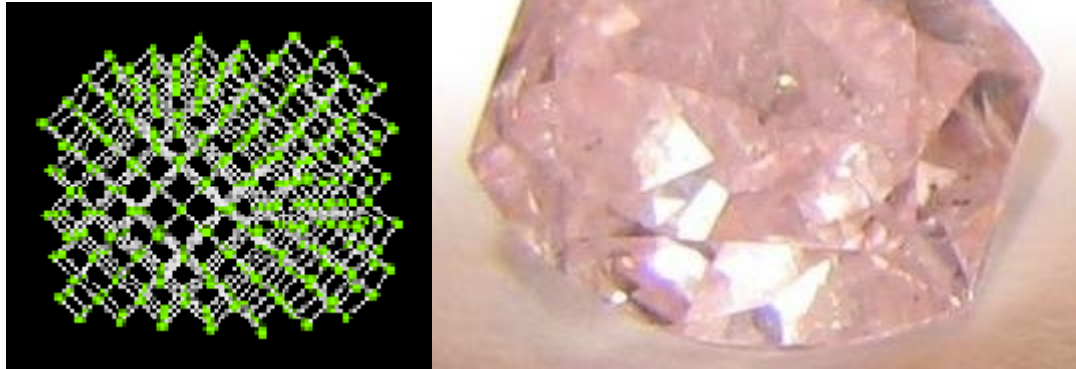


The shapes in the light blue are how the drainage patterns would look for each of the different landscapes.

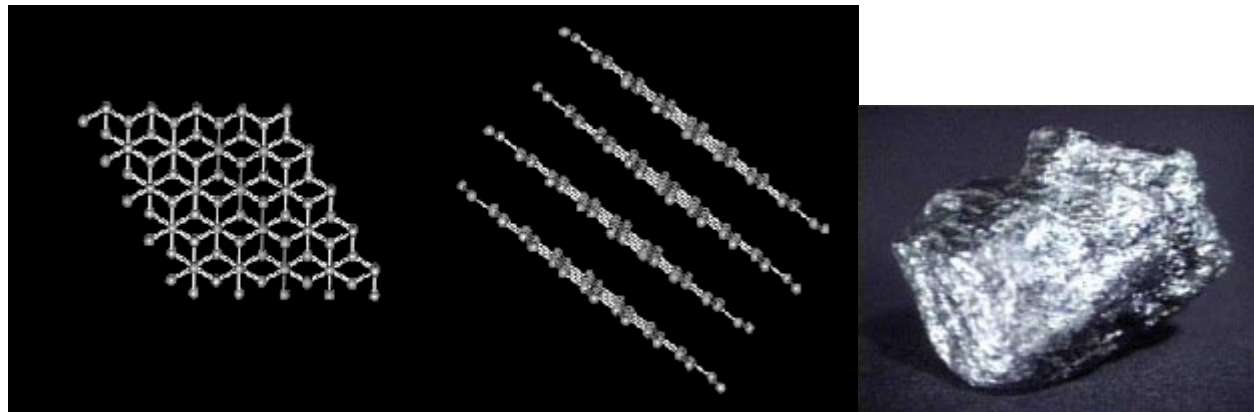
**74** When a rock is broken into smaller pieces, surface area increases and weathering rate increases.



**75** Mineral properties depend on internal atomic arrangement.



When carbon atoms are arranged like above, they form a diamond.



When carbon atoms are arranged like above, they form graphite.  
Notice how the arrangement of atoms are different between the diamond and the graphite.

**76** Ocean crust is thin, dense and basaltic.



**77** Continental crust is thick, less dense and granitic.



**78** Sedimentary rocks commonly layered and almost all fossils form in sedimentary environments.



**79** Igneous rock: cools fast: small crystals; cools slow: large crystals.



Notice large crystals caused by slow cooling



Notice very small crystals caused by fast cooling



**80** Metamorphic- banded-distorted structure.



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