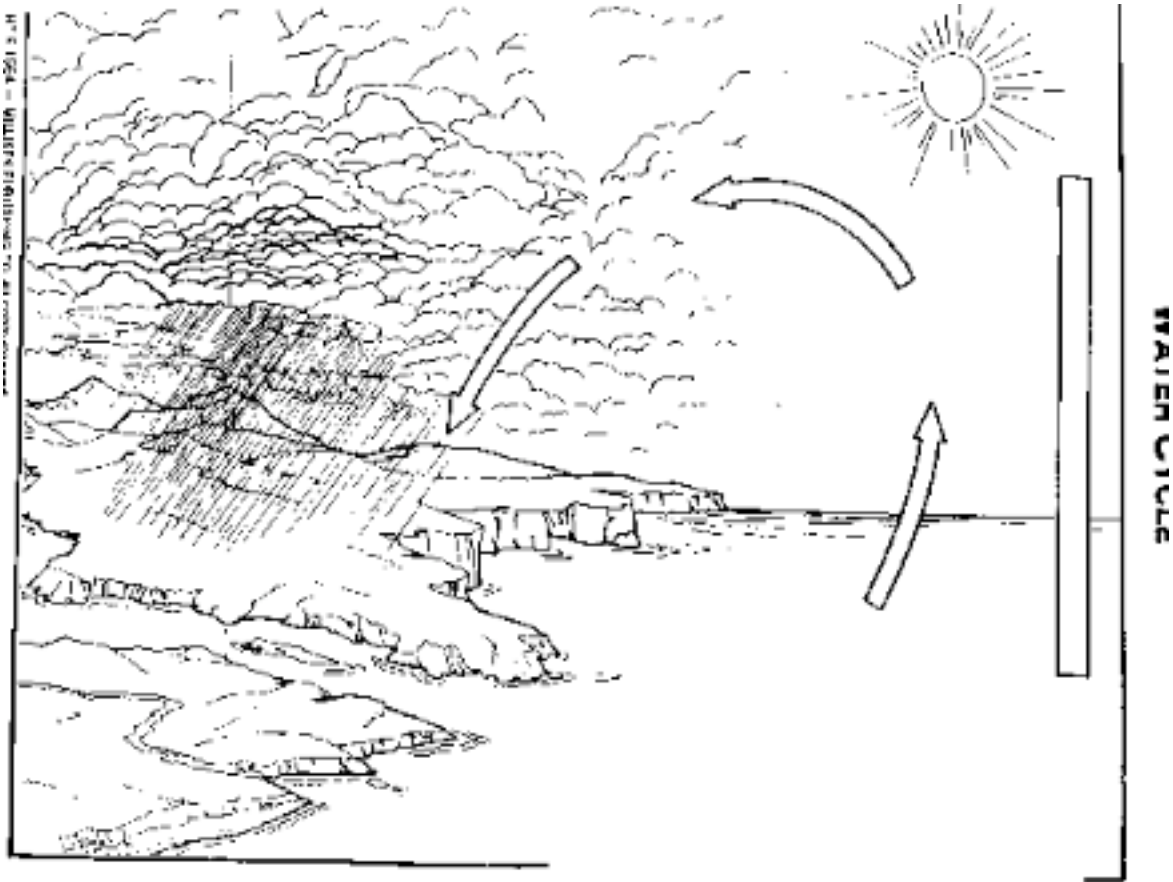
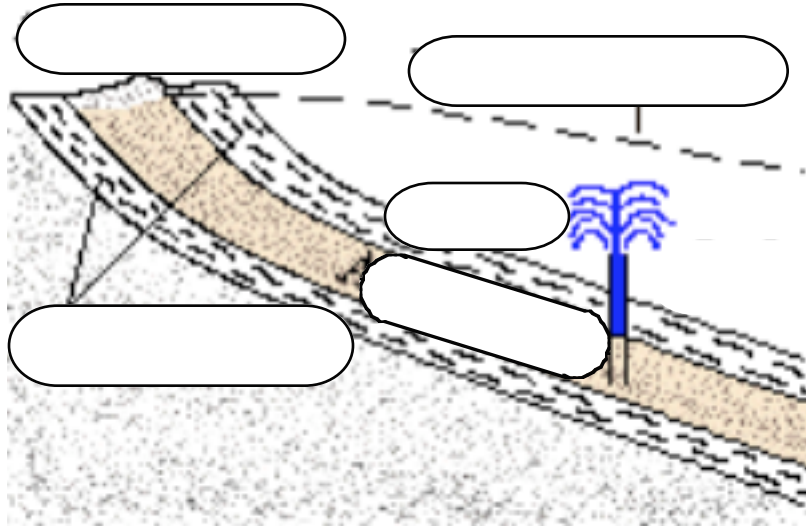


Bellwork for Week 13: April 5-9, 2004

Bell #55: Identify the parts of the water cycle and artesian formation.



Bell #56: Page 594 in textbook:

- (1) What do these tracks tell about the creature that made them?
- (2) What do these fossil ferns reveal about the environment at the time the rock layer was formed?
- (3) Which layers are older dunes and which are younger dunes?
- (4) What does this fossil dinosaur show about its life cycle?
- (5) How are today's life forms helpful to understanding life forms of the past?

Bell #57: (1) Add three events from your life to this timeline. Don't add dates to the events, just put them in order.

(2) Add three events from your life to this timeline. Add dates to each events and put them in order.

- (3) Which Timeline show Relative Time?
- (4) Which Timeline shows Absolute Time?

Bell #58: Paleozoic Index Fossil Critical Thinking, Page 627

- (1) During which geologic period(s) did the Trilobite *Isoteles* live?
- (2) What is the range of geologic periods for the porifera *Actinostroma*?
- (3) Two brachiopods appear in the list. Neither brachiopod can be used to identify the Mississippian age rock. Why?
- (4) What is the probably age of a rock layer that contains the porifera *Actinostroma* and the crinoid *Pentremites*?
- (5) What is the possible age of a rock layer that contains *Halysites* and *Atrypa*?
- (6) List the fossils that might be expected to occur in a rock of Devonian age.
- (7) Two trilobites are show in the list. How do you know that at least one other kind of trilobite much exist?