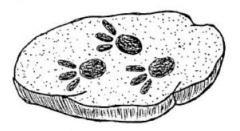
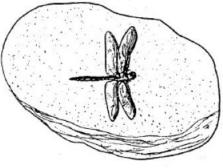


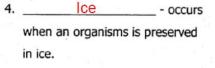
- a. <u>Cast</u> an empty space in the shape of the organism. This occurs when the soft parts of the organism decay and/or the hard parts are dissolved by chemicals.
- Mold_____ occurs when minerals fill a mold and harden into the shape of the original organism.

 Imprints - occurs when leaves and feathers leave an impression in soft sediment (mud) that later hardens into rock.



 Amber - occurs when insects are trapped and become embedded in resin (tree sap) that hardens.







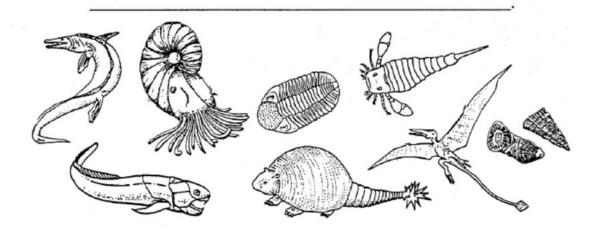
5. <u>Tar</u> - occurs when animals are trapped in tar pits as at the LaBrea Tar Pits of California. <u>Petrified</u> - occurs when minerals dissolved in ground water gradually replace the original tissues of plants and animals.



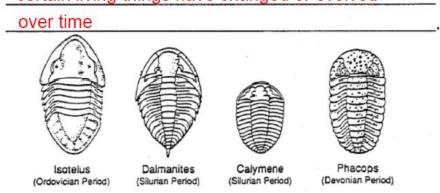
 Carbonaceous film occurs when the carbon in the tissues of organisms leave a residue/thin film of carbon on sediment which then hardens into rock.



- D. Interpreting Fossils
 - 1. Fossils indicate that <u>many different kinds of life forms</u> existed at different times in Earth's history

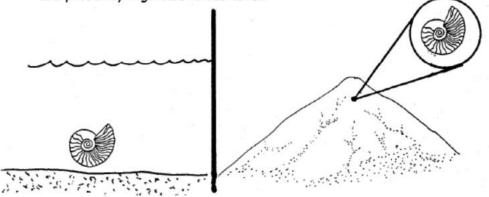


2. When fossils are arranged according to age, they show that ______ certain living things have changed or evolved



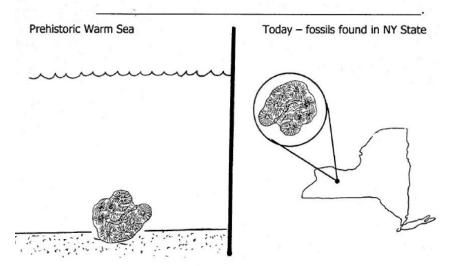
3. Fossils indicate how the Earth's surface has changed

For example, fossils of marine organisms can be found in rocks that are presently high above sea level.



4. Fossils give clues to Earth's past climate

Pag



Since coral today live in the warm waters of equatorial regions, between $30^{\circ}N$ and $30^{\circ}S$ latitude, we can infer that <u>N.Y.S. has a warmer climate</u>

5. Fossils tell about the <u>appearance and activities</u> of past life
For example, fossil teeth give clues about the kind of food the animal ate.