

down by rivers, deposition takes place at ~~the~~ estuarine
areas (e.g. Godavari Godavari Coal deposits) for the
process of fossilization, This is ex-situ fossilization
process.

The sinked plant or plant part on the bottom
of a lake or estuarine water have more immune
environment because of the presence of
- Crabs and other organisms which are responsible for
decomposing process.

- creates an empty space
- decaying process.

⑦ Stages during the process of fossilization.

(i) First disappear the protoplasmic content of the parenchyma then in the harder tissue like walled cells, sclerenchyma etc.

(ii) During the process of fossilization (of plant organism) or it's part first covered with the rock forming material may be called as sedimentary rocks to ward above side.

in ~~base to~~ ^{this} heavy growing pressure first reduces the vacant ~~inside the~~ cells spaces inside the cells and forces the watery substances out.

(v) Organic substances may escape as marsh gas (methane) and humic acids.

(vi) Empty ~~space~~ spaces inside the cell will be filled with either rock forming materials or with minerals to ~~be~~ convert into fossil in long turn.

Palaeobotany continued

Fossil → ① Palaeobotany is study of plants of the past time called as fossils.

② Fossil → concrete and best evidence of the existence of life of the past time.

③ Fossilization → The process of preservation of living organism or their parts in the form of fossil is known as fossilization. The process of fossilization is going on even in the nature.

④ The process of fossilization is different in the formation of different kinds of fossils and is dependent on conditions under which fossilization is taking place.

⑤ Factors → The process of fossilization is affected by a number of factors like

- (i) Nature of the plant material (thin, delicate or hard)
- (ii) Taking time for the process of fossilization
- (iii) Change in rocks or in process of rock formation during the process of fossilization.
- (iv) The type and extent of mineralization.

⑥ Types of fossilization →

① In situ → Fossilization at the place where plant or plant part is present called as In situ fossilization. This type of fossilization ~~take place~~

② ~~In situ~~ → take place in swamps and small inland lakes where the O_2 is less (low) and toxic material are present in water.

③ Ex-situ → When plant or plant parts are carried