

Ethylene

↳ Root hair formation & root growth.

↳ Induce flowering in pineapple, Mango.

↳ helps in breakdown of seed dormancy in peanut.

↳ Shows feminizing effect in Cucumber.

↳

Commercial role: →

- ↳ To ripe fruits → use of artificial aqueous solution called as Ethephon
- ↳ Thinning of fruit (Cotton, cherry and walnut).

Abscisic acid

Chemical nature → Carotenoids derivatives

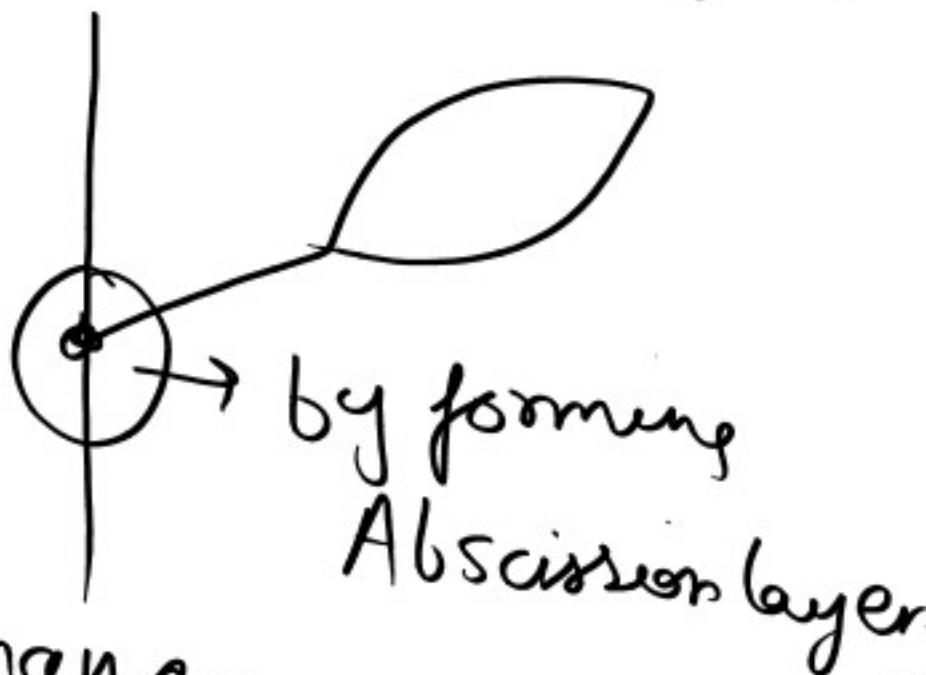
Precursor → Violaxanthin (Xanthophyll).

Discovery → Different scientist gave different name

- ↳ Abscissin
- ↳ Dormin
- ↳ Inhibin

Physiological roles

- ① Promotes Senescence
- ② Promotes Abscission in leaf (falling off).



- ③ Promotes dormancy

(Gibberellin \rightarrow break)

(A + G \rightarrow Antagonists
of ^{in case} seed dormancy)

↳ GA is stress hormone → Antitranspiration

Bioassay → Cotton/Bean explant test.

Hormones action

