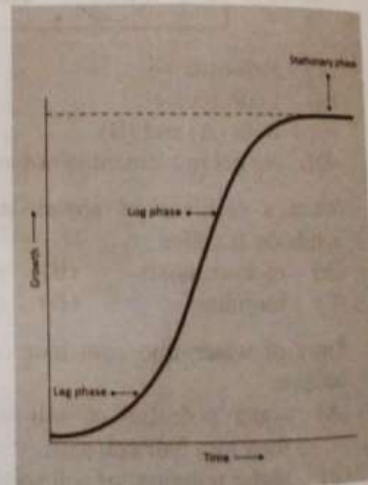


Subtopics

- 7.1 Plant Growth
- 7.2 Phases of Growth
- 7.3 Conditions for Growth
- 7.4 Growth Rates and Types of Growth
- 7.5 Growth Curve
- 7.6 Differentiation, De-differentiation, Re-differentiation
- 7.7 Development
- 7.8 Plasticity
- 7.9 Growth Hormones
- 7.10 Photoperiodism
- 7.11 Vernalization (Yarovization)
- 7.12 Mineral nutrition
- 7.13 Nitrogen cycle
- 7.14 Seed germination

Growth curve in plants

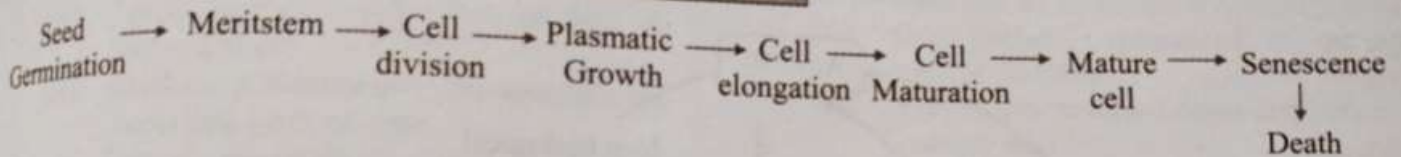


The growth curve in plants is a typical S-shaped (sigmoid) curve which can be differentiated into three phases – Lag phase (slow growth), Log phase (rapid growth) and steady phase (growth slows down).

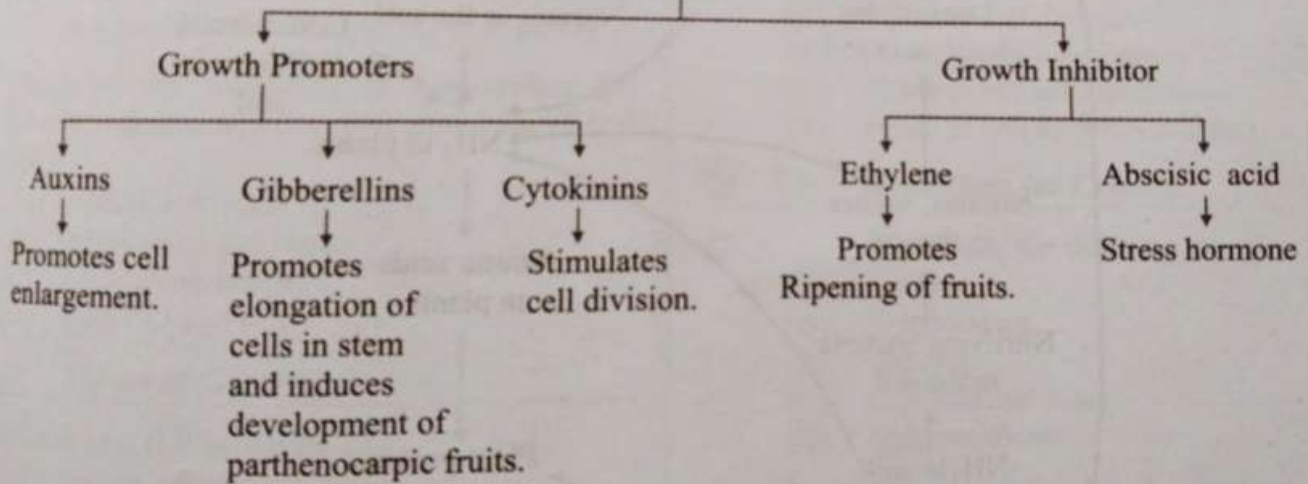
Seed → Me
Germination

Auxins
↓
Promotes cell
enlargement

Development



Growth hormones



Photoperiodism