



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### NCERT Exemplar Questions +1 (PLANT GROWTH AND DEVELOPMENT)

Mcqs

1. Ethylene is used for

- A. 1)retarding ripening of tomatoes
- B. 2)hastening of ripening of fruits
- C. 3)slowing down ripening of apples
- D. 4) both (b) and (c)

**Answer: b**



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**2. Coconut milk factor is**

**A. ABA**

B. Auxin

C. Cytokinin

D. Gibberellin

**Answer: c**



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**3.** The phenomenon of apical dominance can be overcome by exogenous application of

1. ABA

2. gibberellins

3. cytokinins

4. ethylene

A. IAA

B. Ethylene

C. Gibberellin

D. Cytokinin

**Answer: d**



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## 4. Match the following

A. IAA	i. Herring sperm DNA
B. ABA	ii. Bolting
C. Ethylene	iii. Stomatal closure
D. GA	iv. Weed free lawns
E. Cytokinins	v. Ripening of fruits

A. A-iv, B-iii, C-v, D-ii, E-i

B. A-v, B-iii, C-iv, D-ii, E-i

C. A-iv, B-i, C-iv, D-iii, E-ii

D. A-v, B-iii, C-ii, D-i, E-iv

**Answer: a**



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5. Apples are generally wrapped in waxed paper to

- A. prevent sunlight for changing its colour
- B. prevent aerobic respiration by checking the entry of  $O_2$
- C. prevent ethylene formation due to injury
- D. make the apples look attractive

**Answer: b**



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6. Growth can be measured in various ways.

Which of these can be used as parameters to measure growth?

- A. Increase in cell number
- B. Increase in cell size
- C. Increase in length and weight
- D. All the above

**Answer: d**



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7. The term synergistic action of hormones refers to

A. when two hormones act together but bring about opposite effects

B. when two hormones act together and contribute to the same function

C. when one hormone affects more than one function



D. when many hormones bring about any  
one function

**Answer: b**



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**8. Plasticity in plant growth means that**

A. plant roots are extensible

B. plant growth is dependent on the environment

C. stems can extend

D. none of the above

**Answer: b**



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**9.** To increase sugar production in sugarcane, they are sprayed with

A. IAA

B. Cytokinin

C. Gibberellin

D. Ethylene

**Answer: c**



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**10. ABA acts antagonistic to**

A. Ethylene

B. Cytokinin

C. Gibberlic acid

D. IAA

**Answer: c**



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**11. Monocarpic plants are those which**

A. bear flowers with one ovary

B. flower once and die

C. bear only one flower

D. all of the above

**Answer: b**



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**12.** The photoperiod in plants is perceived at

- A. meristem
- B. flower
- C. floral buds
- D. leaves

**Answer: d**



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