

EDIFY
S.3 BIOLOGY TEST
1 HOUR

Instructions

Write the correct option in the corresponding box

1. Growth of plant root towards water is called positive
A. Hydrotropism B. Geotropism
C. Thigmotropism D. Phototropism
2. The growth movement of a plant in response to touch stimulus is called
A. nastic movement B. phototropism
C. geotropism D. haptotropism
3. The effect of unidirectional light on auxins in the tip of a plant shoot is
A. uniform distribution of auxins around the tip
B. reduction in concentration of auxins on the illuminated side of the plant
C. increase in auxins on the illuminated side of the plant
D. inhibition of movement of auxins down the plant
4. Which one of the following responses is a directional growth movement?
A. taxis B. reflex C. tropic D. nastic
5. Which of the following is true about nastic response?
A. depends on the direction of the stimulus
B. does not involve hormones
C. it is relatively slow
D. does not involve only growth.
6. Which one of the following is an example of a tatic response?
A. rolling up of leaves on a sunny day
B. Withdrawal by blowfly larvae from light
C. withdrawal of the hand from a hot object
D. bending of a plant shoots towards light
7. Which one of the following responses is due to stimulus coming from one direction?
A, tactic B. reflex C. tropic D. nastic
8. When a seedling was placed on a clinostat and placed in a horizontal position, the shoot continues to grow horizontally but without the clinostat it bends up wards. Which one of the following is true about the role of a clinostat?
A. Enables the seedling to receive uniform light
B. Causes auxin to concentrate on the lower side of the clinostat.
C. Causes the auxin to accumulate on the upper side of the seedling
D. Causes auxin to accumulate uniformly on all sides
9. The term irritability refers to
A. Ability to respond to stimulus
B. ability to sense light
C. ability to feel heat
D. resistance to enemies

END