

TOPIC: GROWTH & DEVELOPMENT

BY: BAKULUMPAGI JOSHUA @ B.K JOSHUA. 0750 138204(WhatsApp), bakulujosh@gmail.com

10. In order to germinate, **most** seeds need

- A. Water, carbon dioxide, sunlight and suitable temperature.
- B. Water, oxygen, nitrates, and suitable temperature.
- C. Water, oxygen and suitable temperature.
- D. Water, oxygen and light.

C

11. The part of the plant responsible for primary growth is the

- A. Apical meristem      B. Vascular cambium      C. cortex      D. vascular bundle.

A

12. Imbibition of water during seed germination takes place through

- A. Testa      B. Hilum      C. Micropyle      D. Radical

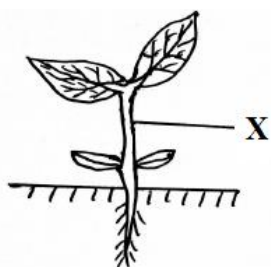
C

13. What is the effect of rapid elongation of the hypocotyl during seed germination?

- A. Cotyledon remains underground      C. Cotyledon is carried above ground
- B. Plumule grows straight out of the ground      D. Hypocotyl straightens.

C

14.



The part marked X in figure 1 is the

- A. Hypocotyl
- B. Epicotyl
- C. Coleoptile
- D. plumule

B

15. The process by which the stored foods in the cotyledons are broken down to simple food substances to be used by the embryo is

- A. glycolysis      B. hydrolysis      C. oxidation      D. condensation

B

16. How is seed dormancy due to embryo immaturity overcome?

- A. By improving seed coat permeability.
- B. Allowing for an after ripening period.
- C. Putting hydrated seeds in a cold room or refrigerator.
- D. Dry storage at high temperature.

B

17. Secondary growth in plants causes an increase in

- A. length      B. thickness      C. height      D. number of branches.

B

18. During seed germination, the dry weight initially decreases because

- A. Stored food is used up for growth and respiration
- B. Soluble food materials diffuse out of the seedlings
- C. Rate of water absorption is low
- D. Rate of cell division is low

A

19. Which one of the following activities takes place during the Larval stage in the life cycle of an insect?

- A. Hibernation      B. Organ formation      C. Feeding      D. Resting

C

20. Which one of the following seed parts plays both roles of protection and nutrition during germination?

- A. Endosperm      B. Testa      C. Coleorhiza      D. Cotyledons

D

**END!!!**

*“Don’t ask what the world needs. Ask what makes you come alive, and go do it.”*