



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### NCERT Exemplar Questions +1 (TRANSPORT IN PLANTS)

#### Mcqs

1. Which of following statements does not apply to reverse osmosis?

A. It is used for water purification

B. In this technique pressure greater than osmotic pressure is applied to the system

C. It is a passive process

D. It is an active process

**Answer: c**



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2. Which one of the following will not directly affect transpiration?

A. Temperature

B. Light

C. Wind speed

D. Chlorophyll content of leaves

**Answer: d**



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3. The lower surface of leaf will have more number of stomata in a

A. dorsiventral leaf

B. isobilateral leaf

C. both (a) and (b)

D. none of these

**Answer: a**



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4. The form of sugar transported through phloem is

A. glucose

B. fructose

C. sucrose

D. ribose

**Answer: c**



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5. The process of guttation takes place

A. when the root pressure is high and the rate of transpiration is low

B. when the root pressure is low and the rate of transpiration is high

C. when the root pressure equals the rate of transpiration

D. when the root pressure as well as rate of transpiration are high

**Answer: a**



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**6.** Which of the following is an example of imbibition?

- A. Uptake of water by root hair
- B. Exchange of gases in stomata
- C. Swelling of seed when put in soil
- D. Opening of stomata

**Answer: c**



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7. When a plant undergoes senescence, the nutrients may be

- A. exported
- B. withdrawn
- C. translocated
- D. None of these



**Answer: b**



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**8. The water potential of pure water is**

A. 10

B. 20

C. Zero

D. None of these

**Answer: c**



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9. Choose the correct option Mycorrhiza is a symbiotic association of fungus with root system which helps in

*A.* absorption of water

*B.* mineral nutrition

*C.* translocation

*D.* gaseous exchange.

A. Only A

B. Only B

C. Both A and B

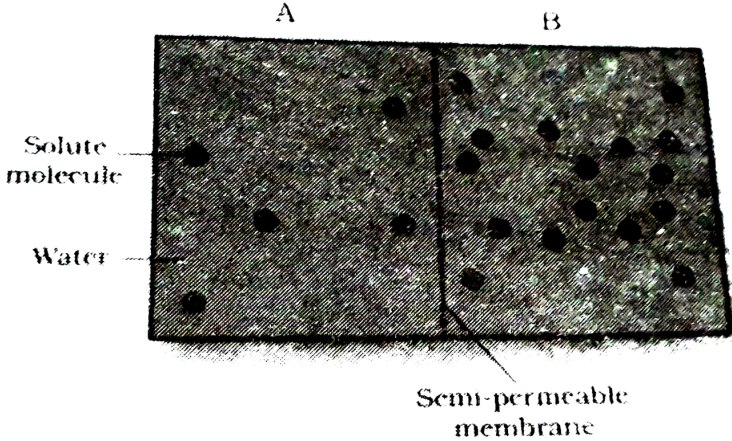
D. Both B and C

**Answer: c**



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**10.** Based on the figure given below which of the following statements is not correct ?



A. Movement of solvent molecules will take place from chamber A to B.

B. Movement of solute will take place from A to B.

C. Presence of a semipermeable is a pre requisite for this process to occur

D. The direction and rate of osmosis depends on both the pressure gradient and concentration gradient

**Answer: b**



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**11.** Match the followings and choose the correct option

A.	Leaves	(i)	Anti-transpirant
B.	Seed	(ii)	Transpiration
C.	Roots	(iii)	Negative osmotic potential
D.	Aspirin	(iv)	Imbibition
E.	Plasmolyzed cell	(v)	Absorption

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

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

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

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

**Answer: b**



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12. Mark the mismatched pair.

(a) Amyloplast	i.	Store protein granules
(b) Elaioplast	ii.	Store oils or fats
(c) Chloroplasts	iii.	Contain chlorophyll pigments
(d) Chromoplasts	iv.	Contain coloured pigments other than chlorophyll
(e) Leucoplast	v.	Contains colourless pigments



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