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**1. Stomata open at night in**

- a) hydrophytes
- b) halophytes
- c) mesophytes
- d) succulents**

**2. Which of the following chemical serves as an anti-transparent in plants?**

- a) Cobalt chloride
- b) Potassium iodide
- c) phenyl mercuric acetate**
- d) dimethyl mercury

**3. Radial conduction of water takes place by**

- a) Vessels
- b) Phloem
- c) Ray parenchyma cells**
- d) Vessels and trachieds

**4. In which of the following plants, there will be no transpiration?**

- a) Plants living in deserts
- b) Aquatic, submerged plants**
- c) Plants growing in hilly regions
- d) Aquatic plants with floating leaves

**5. Upward movement of water in plants is called**

- a) ascent of sap**
- b) Translocation
- c) Sucking

d) None of these

**6. In land plants, the guard cells differ from other epidermal cells in having**

a) cytoskeleton

b) mitochondria

c) ER

**d) Chloroplasts**

**7. Which of the following does not cause opening of stomata?**

a) Light

b) Increased pH

**c) Reduced pH**

d) low carbon dioxide concentration

**8. Which of the following statements is not true for stomatal apparatus?**

a) Guard cells invariably possess chloroplast and mitochondria

b) Inner wall of guard cells are thick

c) Stomata are involved in gaseous exchange

**d) Guard cells are always surrounded by subsidiary cells**

**9. Transpiration can be influenced by interfering with**

a) Guard cell

b) Epidermis of leaf

**c) atmospheric temperature**

d) osmotic pressure

**10. Transpiration is very important for plants because it helps in**

a) The movement of water and minerals absorbed by roots to various parts of the plant

b) The absorption of water from soil

c) The cooling of leaves at high temperature

**d) All of these**