

Water Dynamics in Plant Production, 2nd Edition

Multiple Choice Questions

Chapter 2 – The Role of Water in Soil

1. Physical weathering can be caused by:
 - (a) heat
 - (b) cold
 - (c) both of the above
 - (d) none of the above

2. Chemical weathering depends on: (There may be more than one correct answer.)
 - (a) application of fertilizer
 - (b) hydration
 - (c) dissolving minerals
 - (d) the action of water chemically changing mineral compounds
 - (e) release of acids from the breakdown of plant and animal tissues

3. Important processes in pedogenesis are: (There may be more than one correct answer.)
 - (a) leaching
 - (b) displacement
 - (c) precipitation
 - (d) glaciation

4. Changes in soil water content influence: (There may be more than one correct answer.)
 - (a) oxygen diffusion
 - (b) heat conduction
 - (c) air-filled pore space
 - (d) soil water potential

5. Water movement through the soil profile can result in: (There may be more than one correct answer.)
 - (a) layers rich in clay
 - (b) formation of hardpans cemented by iron and organic matter
 - (c) accumulation of salt in surface layers
 - (d) formation of layers depleted of clay
 - (e) loss of calcium