

Grade 11 Agricultural Sciences M...

(b) Water rises the slowest

(1)

3.2.5 Give a reason for the answer in QUESTION 3.2.4 (a) and (b).

(2)

Hide Answers

3.2 Handling facility

3.2.1 Formulation of hypothesis

In clay soil water moves slowly ✓ to reach the greatest height ✓

OR

Sandy soil has a low capillarity ✓ than clay soil/ vice versa ✓

(Any 1 x 2)

(2)

3.2.2 Type of water movement demonstrated

Capillary movement / Capillarity ✓

(1)

3.2.3 Labelling of soils

Soil A – Clay ✓

Soil B – Sand ✓

Soil C – Loam/silt ✓

(3)

3.2.4 Indicating the soil where the following occurs

(a) Water rises most rapidly – Sand ✓

(1)

(b) Water rises the slowest – Clay ✓

(1)

3.2.5 Reason for the answer

The rapid rise of water in sandy soil is the result of a large number of macro-pores which allow rapid water movement ✓ and the micro-pores in clay retard the motion of water ✓

(2)

3.3 The data below shows the soil temperature readings at two different depths measured from 06:00 until 18:00.

Time	Temperature reading on the surface (°C)	Temperature reading 20 cm deep (°C)
06:00	08	04
08:00	10	04
10:00	14	05
12:00	21	12
14:00	27	16
16:00	24	18
18:00	19	16

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Small-Format Aerial Photography and UAS Imagery James S. Aber, Irene Marzolf, Johannes Ries, Susan Elizabeth Ward Aber, 2019-09-17 Small Format Aerial Photography and UAS Imagery Principles Techniques and Geoscience Applications Second Edition provides basic and advanced principles and techniques for Small Format Aerial Photography SFAP focusing on manned and unmanned aerial systems including drones kites blimps powered paragliders and fixed wing and copter SFAP The authors focus on everything from digital image processing and interpretation of data to travel and setup for the best result making this a comprehensive guide for any user Nine case studies in a variety of environments including gullies high altitudes wetlands and recreational architecture are included to enhance learning This new edition includes small unmanned aerial systems UAS and discusses changes in legal practices across the globe In addition the book presents the history of SFAP providing background and context for new developments Provides background and context for new developments in SFAP Covers the legal implications for small format aerial systems in different countries Discusses unmanned aerial systems drones and their applications Features new case studies for different applications including vineyard monitoring and impacts of wind energy

Environmentally Friendly and Biobased Lubricants Brajendra K. Sharma, Girma Biresaw, 2016-09-19 A

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Advances in Organic Farming L.P. Awasthi, 2025-08-21

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WILL THE

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