Draw and Compare Taproot, Fibrous, and Tuberous Root Systems

Original task 1 / independent drawing and calculation

Task 1

Draw a fibrous panel on a 100 mm baseline. Use a scale where one x-height equals 8 mm (hypothetical). Draw eight roots fanning from the crown, each between 15 mm and 25 mm long. Label crown, fibrous roots, fine branches, and root tips.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

Draw a tuberous panel on a 90 mm baseline. Draw a short main root 20 mm long, widen one section into a swelling 12 mm wide, and add three thin branch roots 10 mm long from the swelling. Label crown, swollen root, branch roots, and root tip.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Draw and Compare Taproot, Fibrous, and Tuberous Root Systems

Original task 3 / independent drawing and calculation

Task 3

Draw a taproot panel on a 110 mm baseline. Draw a main root 40 mm long and six branch roots, three per side, each 15 mm long. Then write one comparison-table row stating the main structure and whether storage swelling is shown.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Draw and Compare Taproot, Fibrous, and Tuberous Root Systems

Original task 4 / independent drawing and calculation

Task 4

Draw all three panels on one page using a single scale where one x-height equals 10 mm (hypothetical). Use baselines of 100 mm each. For each panel, write one sentence explaining how its branching differs from the other two.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.