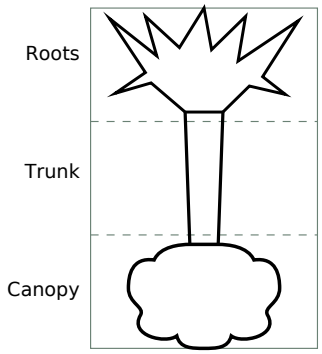
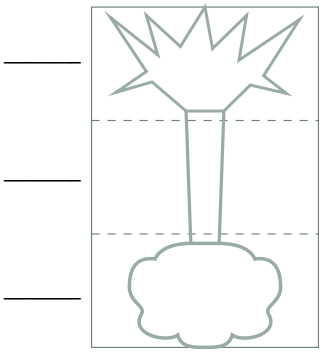
Draw an Upside-Down Tree: Inverted Roots and Canopy

ONE-PAGE TRACING AND FOUR-TASK WORKSHOP

GIVEN PLATE



TRACE AND LABEL



Both compact H = 18 cm frames print at 1:4. Right labels are intentionally blank.

Trace the light tree, then fill its three blank part labels. Use the four original prompts below and record your calculations in the empty table. The given plate is an H = 18 cm tracing example, not an answer to these four tasks.

1. A drawing has H = 15 cm. The root spread is 9 cm wide, the canopy is 7 cm wide, and the trunk tapers from 2.5 cm to 2 cm. Check the inversion zones and compute the width difference and taper.

2. A drawing has H = 21 cm. The root spread is 12 cm wide, the canopy is 12 cm wide, and the trunk tapers from 3 cm to 2 cm. Is the inversion valid? Compute the width difference and taper, and state one label check.

3. A drawing has H = 12 cm. The root spread is 6 cm wide, the canopy is 8 cm wide, and the trunk tapers from 1.5 cm to 1 cm. The roots are above 4 cm and the canopy is below 8 cm. Is this a valid inverted tree under the convention? Explain and compute the width difference and taper.

4. A drawing has H = 24 cm. The root spread is 14 cm wide, the canopy is 10 cm wide, and the trunk tapers from 3 cm to 2.5 cm. The roots are at 7 cm from the top and the canopy starts at 17 cm from the top. Check the zones, compute width difference and taper, and state whether the drawing passes the proportion check.

Task	Two guides (cm)	Root - canopy	Taper: top - bottom	Zones / pass / label
1				
2				
3				
4				

Task 3 explanation: _____

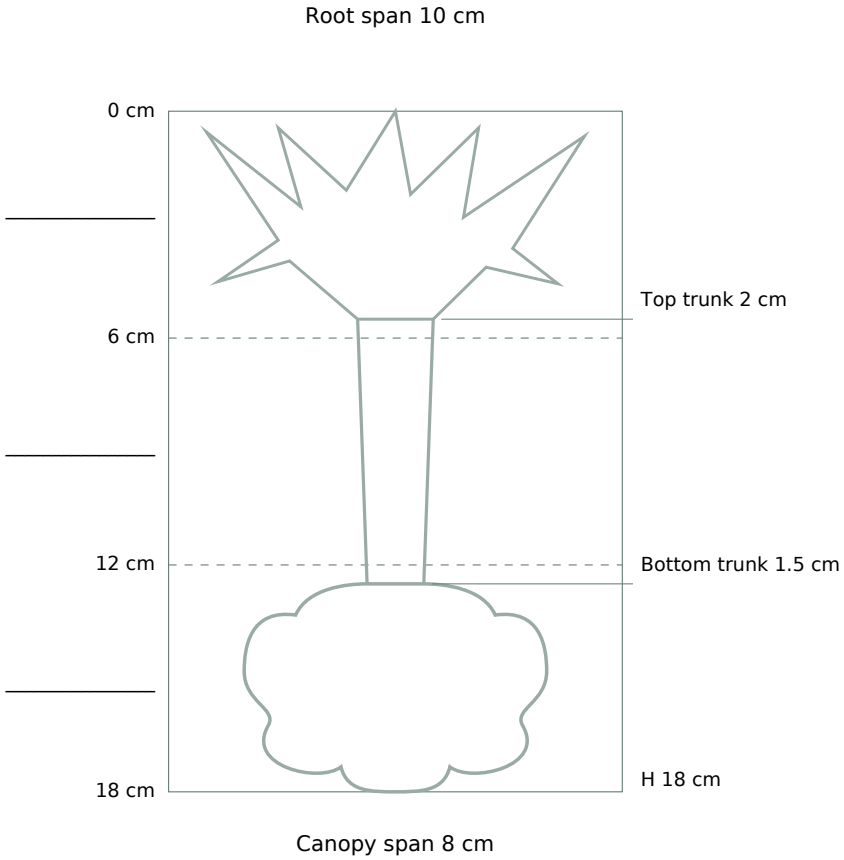
Task 4 pass decision and evidence: _____

Record centimeters throughout. For a physical ruler check, print at actual size: each compact 18 cm frame above is 4.5 cm high on paper (1:4). Optional tracing bands are your own classroom guide; no band or printer tolerance is prescribed.

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LARGE TRACING AND FREE REDRAW

Large H = 18 cm tracing example at 1:2. Trace the light root outline, both trunk contours and canopy. Fill the three empty part labels. After tracing, try an original inverted tree in the free redraw box. This is supplemental practice, not a prefilled solution to any of the four tasks.



FREE REDRAW / CHOOSE H / NOT PRESET TO A PHYSICAL SCALE

H = _____ cm guides = _____ and _____ cm line choice = _____

Optional: draw a band of your chosen width around an outline to notice tracing drift. The article's 0.5 cm band is an optional example and is not printed here. Root and canopy widths may be varied deliberately.