Octopus Pencil Drawing: Arm Curl and Sucker Construction

Original task 1 / independent drawing and calculation

Task 1

Draw a single arm as an S-curl centerline about 9 cm long. Add width from 1 cm near the body to 0.5 cm at the tip. Place four suckers on the inner side of the curl. Describe where each sucker sits relative to the curl direction.

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 hook-curl arm that ends in a tight half-circle. The arm width is 1.2 cm near the body and 0.6 cm at the tip. Place three suckers: one near the body, one at the start of the hook, and one inside the hook. State which side of the arm each sucker is on.

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 3 / independent drawing and calculation

Task 3

Draw two arms meeting the body at the lower mantle. Arm A is a C-curl bending right; Arm B is a C-curl bending left. Each arm has three suckers. Describe the connection zone and the sucker placement for both arms.

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 4 / independent drawing and calculation

Task 4

Draw one arm with a C-curl bending left and one arm with a C-curl bending right. Use the same arm length and width for both. Place five suckers on each arm. Compare the two arms and state one way they are similar and one way they differ.

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.