Contour Line Lightbulb: Labeled Outline and Shading Practice

Original task 1 / independent drawing and calculation

Task 1

Draw a lightbulb 10 cm tall and 6 cm wide. The neck is 2.5 cm wide and the base is 3.5 cm wide with three ridges. Label glass bulb, neck, base, filament, and outline. Add a 0.6 cm unshaded highlight strip on the upper-left glass curve and a cast shadow touching the base bottom.

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

A drawn lightbulb is 7 cm tall and 4 cm wide. The base is 2.5 cm wide. The cast shadow oval is 5 cm wide and touches the base bottom. Is the shadow width reasonable? Explain and give a corrected width using a hypothetical rule that the shadow width should be about 1.5 times the base width.

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

You have drawn the glass bulb and neck but not the base or filament. List the next three contour steps in order and state where the filament line should be placed.

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

A student labels the neck as 'base' and the base as 'neck'. The leader lines do not cross. What is wrong, and how should it be fixed?

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.