Draw Alligator Scute Texture: Edge-to-Edge Armored Plates

Original tasks 1, 2 / independent work

Task 1

A hide panel has a 2 by 2 grid of cells, each 3 cm wide and 3 cm tall. Light comes from the upper right. Describe where the bevel shading and seam shadows go on the four plates.

Task 2

A tail section has a 1 by 4 grid of cells. The cell widths are 1.5 cm, 1.2 cm, 1.0 cm, and 0.8 cm from base to tip, and every cell is 1.5 cm tall. Describe how to draw the plates so they appear to shrink toward the tip while keeping the ridge lines consistent.

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Original tasks 3, 4 / independent work

Task 3

A back panel has a 3 by 1 grid of cells, each 2.5 cm wide and 2.5 cm tall. Light comes from directly above. Describe the bevel shading and seam shadows, and explain why the seam shadow is thin.

Task 4

A hide panel has a 2 by 3 grid of cells, each 2 cm wide and 2 cm tall. A classmate drew overlapping plates like fish scales. Describe two changes to fix the drawing using the ridge-bevel-shadow convention.