Close-Up Fish Scale Drawing: Texture and Edge Detail Study

Original task 1 / complete key

Task 1

Draw a patch with three scales whose free edges face right. Use a dotted free-edge convention and short texture strokes inside each plate. Label the convention.

Answer: Three rounded plates face right. Each free edge is drawn as a dotted curve; the covered base is a shorter solid curve hidden under the neighboring scale. Short strokes sit inside each plate and stop before the dotted edge. The margin reads: dotted free edges, short-stroke texture.

Reason: The dotted convention makes the free edge distinct without heavy line weight, and the texture stays inside the plate so the edge remains readable.

Check: Confirm the dotted free edges all face right, no texture crosses a dotted edge, and the convention is labeled.

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Original task 2 / complete key

Task 2

Draw a patch with four scales whose free edges face upward. Use cross-hatching inside each plate and a narrow shadow under each free edge. State the texture convention.

Answer: Four upward-facing plates show cross-hatched interiors. Each free edge is a continuous curve with a narrow shadow beneath it. The covered base of each lower scale is hidden by the scale above. The margin reads: cross-hatch texture, upward free edges.

Reason: Cross-hatching suggests surface texture while the shadow under the free edge adds depth without hiding the edge line.

Check: Check that cross-hatching stays inside plates, shadows sit under free edges, and all free edges face upward.

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Original task 3 / complete key

Task 3

Draw a patch with five scales of slightly different sizes, free edges facing left. Use short strokes for texture and label any size variation. Keep every covered base hidden.

Answer: Five left-facing plates vary slightly in width. Each free edge is a continuous curve; each covered base disappears under the neighboring scale. Short strokes sit inside plates. The margin notes: left free edges, slight size variation, short-stroke texture.

Reason: Labeling size variation lets a checker follow the intent, while consistent free-edge direction keeps the patch readable.

Check: Verify the free-edge direction is left throughout, size variation is noted, and no covered base is left exposed.

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Original task 4 / complete key

Task 4

Draw a patch with four scales, free edges facing downward. Use a mixed convention: solid free edges and dotted texture inside plates. Add one shadow mark per scale and label the convention.

Answer: Four downward-facing plates have solid free edges and dotted interiors. One shadow mark sits under each free edge. Covered bases are hidden by the scale above. The margin reads: solid free edges, dotted texture, downward direction.

Reason: A mixed convention is valid when stated clearly; solid free edges keep the boundary crisp while dotted texture suggests surface without crossing the edge.

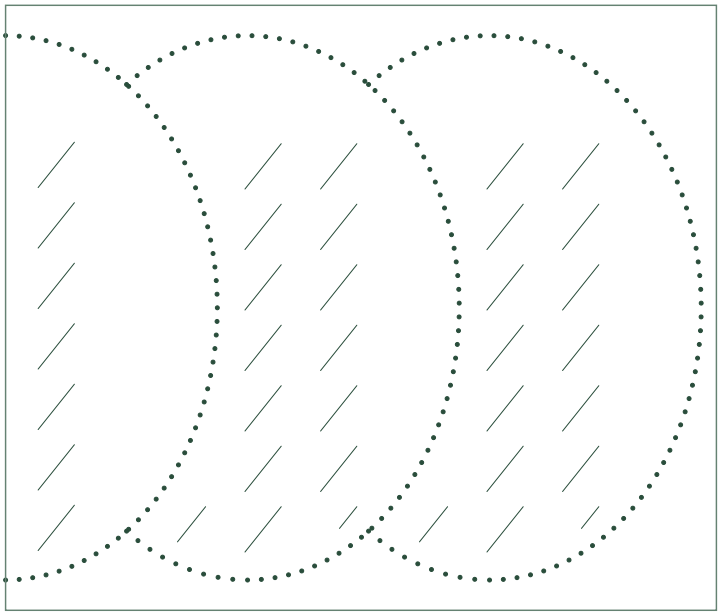
Check: Confirm solid free edges face downward, dotted texture stays inside plates, one shadow mark per scale is present, and the convention is labeled.

Close-Up Fish Scale Drawing: Texture and Edge Detail Study

Task 1 / answers

Magnified plate study / only visible boundaries / source direction and texture conventions

3 plates / free edges right / short strokes



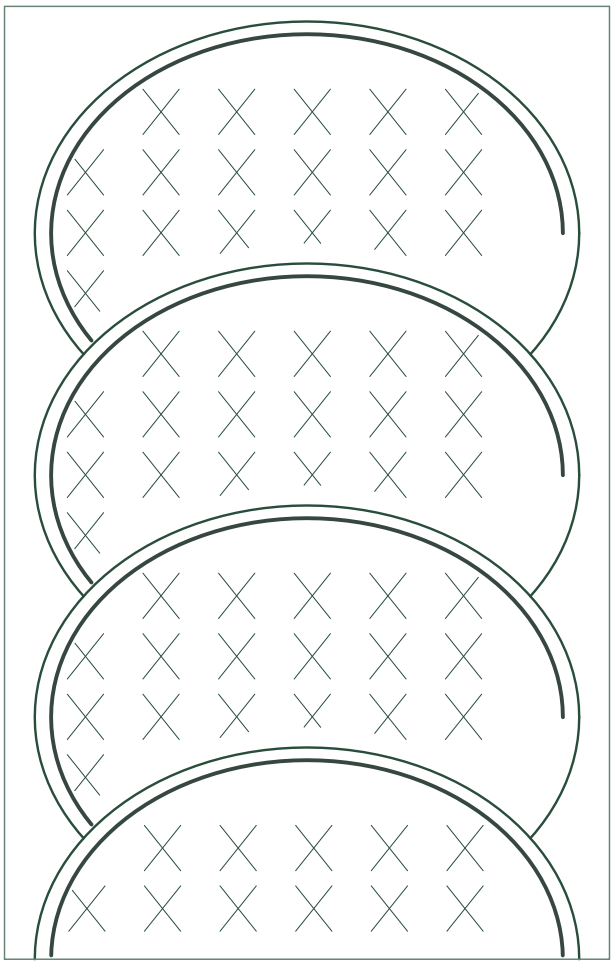
Only exposed contours are drawn; each covered base is behind an overlying plate or outside the cropped patch, never shown as a hidden construction line. Here above means the overlying layer, not necessarily higher paper coordinates. Texture is clipped inside the visible plate with an edge clearance. Narrow shadow marks lie just inside the free-edge underside where requested. The stated directions and textures are this drawing convention, not a universal fish anatomy or lighting standard.

Close-Up Fish Scale Drawing: Texture and Edge Detail Study

Task 2 / answers

Magnified plate study / only visible boundaries / source direction and texture conventions

4 plates / free edges up / cross-hatch



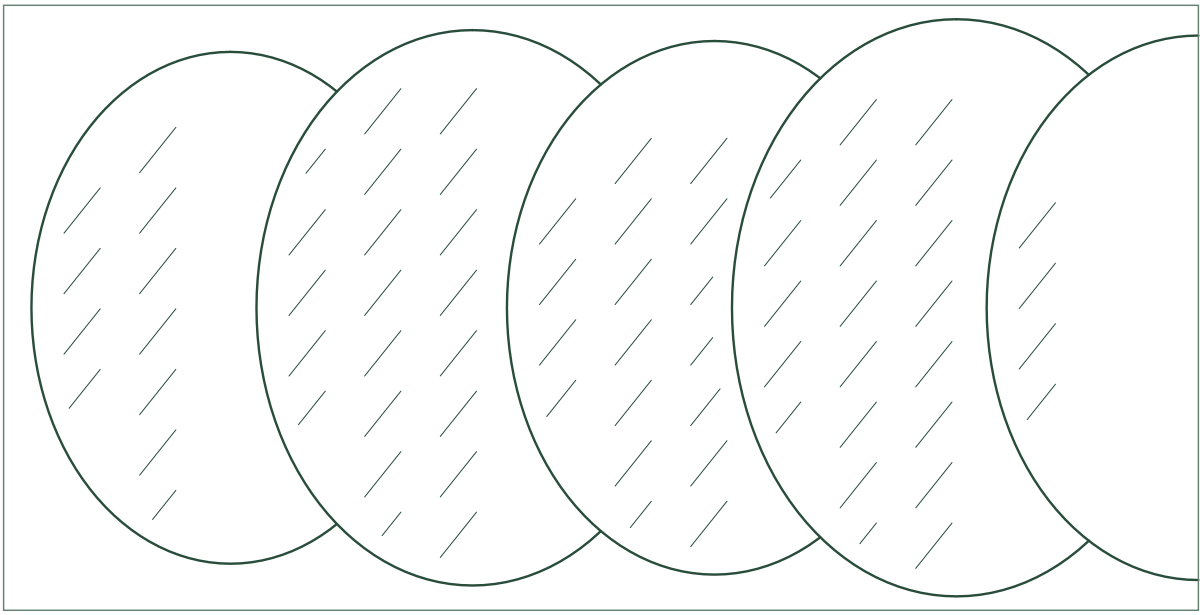
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Close-Up Fish Scale Drawing: Texture and Edge Detail Study

Task 3 / answers

Magnified plate study / only visible boundaries / source direction and texture conventions

5 plates / free edges left / short strokes



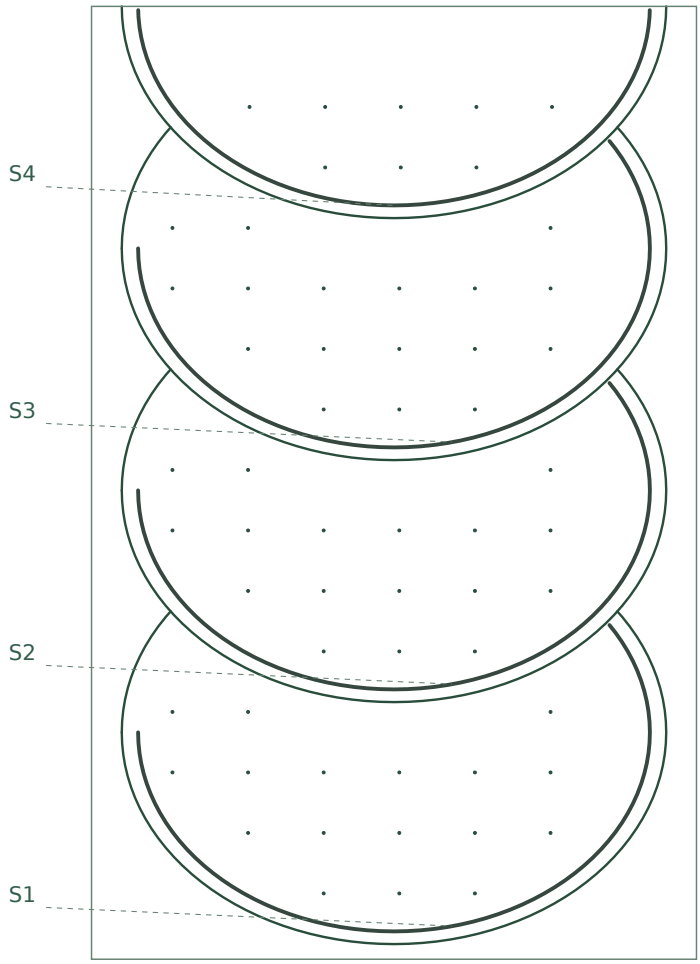
Only exposed contours are drawn; each covered base is behind an overlying plate or outside the cropped patch, never shown as a hidden construction line. Here above means the overlying layer, not necessarily higher paper coordinates. Texture is clipped inside the visible plate with an edge clearance. Narrow shadow marks lie just inside the free-edge underside where requested. The stated directions and textures are this drawing convention, not a universal fish anatomy or lighting standard.

Close-Up Fish Scale Drawing: Texture and Edge Detail Study

Task 4 / answers

Magnified plate study / only visible boundaries / source direction and texture conventions

4 plates / SOLID FREE EDGES / DOTTED INTERIOR / DOWNWARD. S1-S4 identify the four narrow shadow marks.



Only exposed contours are drawn; each covered base is behind an overlying plate or outside the cropped patch, never shown as a hidden construction line. Here above means the overlying layer, not necessarily higher paper coordinates. Texture is clipped inside the visible plate with an edge clearance. Narrow shadow marks lie just inside the free-edge underside where requested. The stated directions and textures are this drawing convention, not a universal fish anatomy or lighting standard.

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Source rubric / reflection

- [ ] Free-edge direction is stated and consistent across the patch.
- [ ] Each scale has a readable free edge and a covered base that is hidden or clearly marked.
- [ ] Texture marks stay inside plates and do not cross free edges.
- [ ] Line weight distinguishes free edges from covered bases.
- [ ] The patch is complete and the convention is labeled.
- [ ] Valid alternatives such as dotted free edges or cross-hatched texture are accepted when stated and applied consistently.

Reflection: What did you check, what did you change, and what will you try next?