Landform Sketch Plate: Draw and Label Mountain, Valley, and Coast

Original tasks 1, 2 / complete keys

Task 1

In the mountain area, draw a peak 3 cm above the dashed baseline. Make the left slope reach the baseline 2 cm left of the peak and the right slope reach the baseline 4 cm right of the peak. Add downhill arrows and label peak, slope, and base.

Answer: A mountain sketch with a dashed baseline, a peak above it, a shorter left slope and a longer right slope, two downhill arrows, and three labels outside the outline.

Reason: The unequal slope lengths place the peak left of center. The dashed baseline separates the landform from the ground line, and the arrows show slope direction. Labels outside the outline keep the shape readable.

Check: Measure the two slope horizontal distances from the peak to the baseline. Confirm 2 cm left and 4 cm right, or the same ratio in your unit. Check that both arrows point downhill and that all three labels are outside the outline.

Task 2

In the valley area, draw a dashed baseline 6 cm long. Place the valley floor at the center, 1 cm above the baseline. Draw two side lines rising to rims 2 cm above the floor. Add arrows pointing down toward the floor and label valley floor, side slope, and rim.

Answer: A valley sketch with a low center floor, two rising side lines, two rims higher than the floor, downhill arrows toward the floor, and three labels outside the outline.

Reason: The floor is lower than both rims, which defines a valley. The arrows show the direction toward the low center. The dashed baseline keeps the low point visible.

Check: Compare the floor height with each rim height. The floor should be lower than both rims by the same amount in your drawing. Check that the side lines do not cross and that the labels are outside the outline.

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Original tasks 3, 4 / complete keys

Task 3

In the coast area, draw a dashed waterline 6 cm long. Draw a solid curved coast edge on the land side that stays within 1 cm of the waterline. Add an arrow from land toward water and label land, coast edge, and water.

Answer: A coast sketch with a dashed waterline, a solid curved coast edge on the land side, an arrow pointing from land to water, and three labels outside the outline.

Reason: The dashed waterline marks the water boundary, while the solid curve marks the land edge. The arrow shows the direction from land to water. Keeping the curve close to the waterline makes the coast shape clear.

Check: Measure the greatest distance between the coast edge and the waterline. It should be about 1 cm or less in your unit. Check that the arrow points from land toward water and that all labels are legible.

Task 4

On a plate with three equal areas, draw all three landforms using the convention. Use a dashed baseline or waterline in each area, solid landform edges, at least one arrow per area, and labels outside the outlines. Then self-check with the rubric.

Answer: A complete plate with mountain, valley, and coast sketches, each using the correct line convention, arrows, and outside labels, checked against the rubric.

Reason: Combining the three shapes tests whether the convention is applied consistently. The rubric checks line types, arrows, label placement, and the defining parts of each landform.

Check: Count the dashed baselines or waterlines: there should be three. Count the solid landform edges: each area should have at least one. Check that every area has an arrow and that every label is outside its outline. Confirm no map symbols or scenery are present.

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Source rubric / reflection

- [ ] Three separate areas are labeled Mountain, Valley, and Coast.
- [ ] Each area uses a dashed baseline or waterline and solid landform edges.
- [ ] At least one downhill or direction arrow appears in each area.
- [ ] Labels are outside the outlines, connected by leader lines, and legible between baseline and midline.
- [ ] The mountain shows a peak, two slopes, and a base.
- [ ] The valley shows a floor lower than both rims and two side slopes.
- [ ] The coast shows land, a coast edge, and water.
- [ ] No map symbols or scenery elements are added.

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