Draw Yourself as a Scientist: Labeled Feature Prompts and Checklist

Original tasks 1, 2, 3 / complete keys

Task 1

Mina draws a frame with her head and shoulders only. She adds goggles on her forehead and a beaker on a bench beside her, with two labeled dots and lines. She has no lab coat and no third attribute. Does she meet the minimum?

Answer: No. She has only two labeled scientist attributes, and the frame shows head and shoulders rather than waist-up.

Reason: The checklist requires a waist-up self-portrait and at least three labeled scientist attributes. Two attributes fall short, and the frame is too limited for the role features.

Check: Count labeled attributes (2) against the minimum (3), and check the frame for waist-up extent.

Task 2

Leo draws himself in a lab coat holding a clipboard. He labels the coat with a dot and line, and labels the clipboard with a dot and line. He also draws safety glasses but writes the label 'goggles.' Is his labeling acceptable?

Answer: The two correct labels are acceptable, but the 'goggles' label does not match the safety glasses. He should relabel it 'safety glasses' or redraw goggles.

Reason: Valid alternatives are allowed, but the label must name what was drawn. A mismatch weakens the checklist item for correct labeling.

Check: Compare each label word to the drawn object; relabel or redraw any mismatch.

Task 3

Ava draws a waist-up self-portrait with a lab coat, a beaker in one hand, and a notebook in the other. She places dots on the coat, beaker, and notebook, but writes all three labels inside the frame near the objects without lines. Does this follow the label convention?

Answer: No. The convention asks for labels outside the frame connected by a straight line to a dot on the feature.

Reason: The attributes are present, but the label convention is not followed, so the drawing is harder to check and does not meet that checklist item.

Check: Look for labels outside the frame with one straight line to a dot on each feature.

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Original tasks 4 / complete keys

Task 4

Noah draws a waist-up self-portrait with a face shield, gloves, and a flask. He labels each with a dot and straight line outside the frame. He has no lab coat, goggles, clipboard, or beaker. Does he meet the checklist?

Answer: Yes. He has three clearly drawn and correctly labeled scientist attributes, and the frame is waist-up.

Reason: The checklist requires at least three scientist attributes, not a fixed list. Valid alternatives are acceptable when clearly drawn and accurately labeled.

Check: Count labeled attributes (3), confirm each label matches its drawing, and check the frame is waist-up.

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Source rubric / reflection

- [ ] Frame contains a waist-up self-portrait: 1 point.
- [ ] At least three scientist attributes are drawn clearly: 2 points.
- [ ] Each chosen attribute has a dot and a straight label line: 2 points.
- [ ] Labels are readable and correctly matched to features: 2 points.
- [ ] Valid alternatives are accepted when clearly drawn and accurately labeled; no single universal style is required.

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