Draw a Phone Charging: Cable, Plug, and Indicator

Original tasks 1, 2, 3 / complete keys

Task 1

Draw a phone charging setup where the phone lies flat and the plug sits to the right. Use a filled dot indicator near the cable exit. State your line convention before drawing.

Answer: A rounded rectangle phone on a table edge line, a smooth cable curve to a right-side plug with a connector end, and a small filled dot near the exit.

Reason: The setup is readable because the cable connects the two objects without crossing the phone, and the indicator follows the stated convention.

Check: Confirm the cable touches both phone and plug, the plug base aligns with the table edge, and the indicator is small and near the exit.

Task 2

Draw the same setup but with a coiled cable. Keep the phone and plug positions the same and use an outlined dot for the indicator.

Answer: A rounded rectangle phone, a coiled cable that clearly connects to a right-side plug, and a small outlined dot near the exit.

Reason: A coiled cable is a valid alternative if it remains continuous and does not cross the phone body.

Check: Trace the coil from phone to plug, check it does not cross the phone, and confirm the outlined dot matches the stated convention.

Task 3

Draw a phone charging setup with the plug on the left and the indicator on the screen edge. Use a short dash for the indicator and keep lettering, if any, at consistent x-height.

Answer: A rounded rectangle phone with a left-side plug, a smooth cable curve, and a short dash on the screen edge.

Reason: Moving the plug and indicator tests whether the convention stays consistent when positions change.

Check: Check the cable connects both objects, the dash is visible but small, and any lettering keeps baseline-to-midline height consistent.

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Original tasks 4 / complete keys

Task 4

Draw a phone charging setup on a table edge line. Add a small label using any clear letter style, keeping x-height consistent. Use a filled dot indicator and a plug with two short prongs.

Answer: A rounded rectangle phone, smooth cable, plug with two prongs aligned to the table edge, filled dot indicator, and a label with consistent x-height.

Reason: The label tests the lettering convention while the prongs test plug clarity.

Check: Confirm the prongs are visible, the label height is consistent from baseline to midline, and the four elements remain distinguishable.

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Source rubric / reflection

- [ ] Phone is a clear rounded rectangle with a marked cable exit.
- [ ] Cable is one smooth curve connecting phone and plug without crossing the phone body.
- [ ] Plug has a clear connector end and aligns with the table edge.
- [ ] Indicator is small, visible, and placed by the stated convention.
- [ ] All four elements are distinguishable at a glance.
- [ ] Any lettering keeps consistent x-height and spacing; alternative styles are accepted.

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