



ROP™



ROP™ Lab Notebook

Day 7: 07 CR Compositional Reasoning Test



Rich Off Prompts™ Science Lab
Multi Panel Lab Challenge

Element tile code:	07 CR
Test name:	Compositional Reasoning Test
Chemistry tie in:	Final synthesis. All components combine into a finished result.
Focus:	Testing whether the model can organize a complicated multi panel concept with logic, spatial clarity, and purposeful visual structure.



*Build.
Test.
Synthesize.
Elevate.*
ROP™



RICH OFF PROMPTS™
SCIENCE LAB

1 of 6 pages



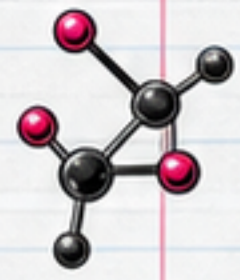
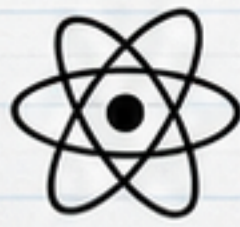
07
CR
Compositional Reasoning

WARNING

EXPERIMENTS IN PROGRESS

IDEAS. LOGIC. STRUCTURE. RESULTS.

Today's Lab Brief



Day 7: 07 CR Compositional Reasoning Test

Day: 7	Element tile code: 07 CR	Test name: Compositional Reasoning Test
---------------	---------------------------------	--

1. WHAT IS BEING TESTED

Can the model organize a more complex visual concept with logic, order, and spatial intelligence? This test measures whether the model can build a four panel image that feels intentionally structured rather than visually crowded or random. Each panel should have a clear purpose, and the full 2x2 layout should feel like one intelligent visual system.



2. WHY IT MATTERS FOR BRANDS AND BUSINESS OWNERS

Brands need more than pretty images. They need visuals that communicate clearly. When a multi panel image is well organized, the viewer can quickly understand the hierarchy, the sequence, the key information, and the final message. This makes the content feel more premium, more trustworthy, and more useful.

Compositional reasoning helps business owners create better:

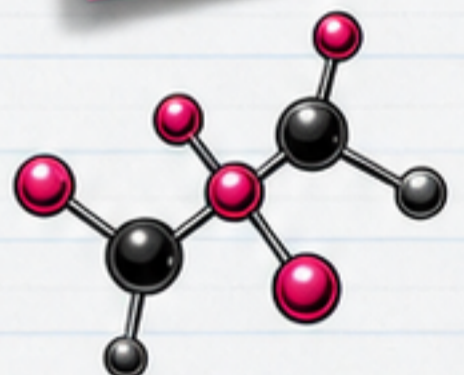
- | | |
|------------------------------|--|
| 1. Campaign boards | 4. Cheat sheets |
| 2. Product education visuals | 5. Launch graphics |
| 3. Story driven promotions | 6. Visual systems for offers and services. |

If the composition is weak, the image feels messy, confusing, and less valuable.



3. CHEMISTRY EXPERIMENT TIE IN

This is the final synthesis. In chemistry, synthesis is the stage where all parts come together into one finished result. That is exactly what this test represents. Identity control, sequencing, style control, panel structure, labels, props, and environment all come together in one final organized system.



4. WHAT SUCCESS SHOULD LOOK LIKE

The full 2x2 image should feel structured, logical, and visually deliberate.

- | | |
|---|--|
| 1. Panel 1 clearly introduces the experiment | 4. Panel 4 presents the final result board in a clean and organized way. |
| 2. Panel 2 clearly shows supporting tools, formulas, and notes | |
| 3. Panel 3 shows a mid process reaction with strong spatial clarity | |

The viewer should immediately understand where to look and why each panel exists. Props should feel intentionally placed. Labels should be readable. The environment should stay consistent and the image should feel smart, polished, and branded.



5. WHAT FAILURE MAY LOOK LIKE

The reasoning fails if:

- | | |
|---|--|
| 1. The panels feel cluttered or random | 5. The final result board does not feel more resolved than the earlier panels |
| 2. The viewer cannot tell what each panel is supposed to do | 6. The grid lacks visual order or spatial logic |
| 3. The tools and labels appear scattered without hierarchy | 7. The composition feels like four unrelated images instead of one organized campaign. |
| 4. Important information is hidden or badly placed | |





Today's Main Experiment Prompt

Create one square 2x2 multi panel master lab campaign image using the uploaded subject as the only identity reference. Preserve exact identity, facial structure, skin tone, body proportions, and natural texture with no changes. The subject is a luxury mad scientist inside a chrome chemistry lab presenting the final structured result of a visual experiment. The full image must feel organized, intentional, and visually intelligent. Use readable labels, safety gear, hot pink chemistry details, acrylic surfaces, direct flash, fisheye energy, old film grain, and a polished editorial lab atmosphere.

1 Introduction

Show the subject introducing the experiment at the main testing station. The panel should establish the lab environment clearly and feel like the opening scene of the final campaign. Include chrome work surfaces, hot pink chemistry details, acrylic tools, and a composed editorial stance. The subject should look confident and in control.



2 Detail Structure

Show a structured close up of tools, labeled formulas, and periodic table coded notes. The composition should feel tight, organized, and information rich without looking messy. Make the layout of objects feel deliberate and easy to read.



3 Controlled Reaction

Show the mid process reaction scene with clear spatial organization and visually logical placement. The subject is actively engaged in the experiment. The reaction should feel dramatic but controlled. Props should be arranged with purpose. The viewer should clearly understand what is happening and where to look.



4 Final Results Board

Show the final result board with a testing notebook, neatly arranged tools, and a highlighted periodic tile reading '07 CR Compositional Reasoning.' Add smaller periodic tiles such as 'HY Hypothesis,' 'RS Results,' 'CT Control Test,' and 'EX Experiment.' This panel should feel like the cleanest and most resolved part of the grid.

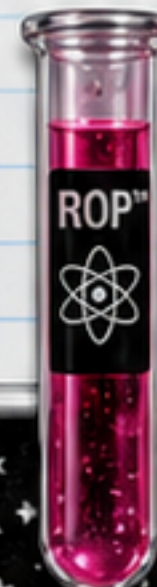


*Build.
Test.
Synthesize.
Elevate.
ROP™*



PROMPT TIP

When testing reasoning, tell the model exactly what belongs in each panel and why. Strong panel instructions create stronger layout logic.





How To Master Compositional Reasoning In Multi Panel Images

1 Give every panel a role

Do not let the panels compete with each other.
A reasoning based image needs clear jobs.

For Day 7, the four jobs are:

1. Introduce
2. Explain
3. Process
4. Conclude

If each panel has a purpose, the full image becomes easier to organize.

2 Build visual hierarchy

Not everything should fight for attention at once.

Decide what the viewer should notice first, second, and third.

Use hierarchy through:

1. Placement
2. Scale
3. Spacing
4. Label clarity
5. Prop arrangement
6. Empty space

A premium image feels controlled, not overcrowded.

3 Tell the model what belongs where

Reasoning improves when the prompt is specific.

Instead of saying "show lab materials," say:

1. Notebook on the lower right
2. Formula cards near the beakers
3. Periodic tiles visible in the background
4. Main reaction centered in the action panel

That kind of instruction helps the layout feel smarter.

4 Use spatial logic

The objects in the image should make sense.

Ask yourself:

1. Can the viewer understand where the tools are?
2. Are the notes placed where they would naturally be used?
3. Does the reaction scene feel physically believable?
4. Does the final results panel look like the outcome of the earlier panels?

Spatial logic is what separates a smart composition from a random one.

5 Keep the environment stable

Reasoning works better when the world stays consistent.

Keep consistent:

1. Chrome lab station
2. Acrylic tools
3. Hot pink chemistry accents
4. Safety gear
5. Testing notebook
6. Periodic table labels
7. Direct flash lighting
8. Fisheye perspective
9. Old film grain
10. Editorial lab atmosphere

A stable setting helps the viewer focus on structure.

6 Organize the panel flow

A 2x2 image should read naturally from top left to bottom right.

That means:

1. Top left introduces
2. Top right explains or expands
3. Bottom left develops the process
4. Bottom right resolves the story

If the viewer feels lost, the composition is not reasoning clearly enough.

7 Use labels as anchors

Readable labels help the viewer understand the structure quickly.

For Day 7, useful label anchors include:

07 CR	Compositional Reasoning
HY	Hypothesis
RS	Results
CT	Control Test
EX	Experiment

Labels should support the logic, not crowd the image.

8 Make the final panel feel resolved

The last panel should feel like the conclusion of everything before it.

That means cleaner arrangement, stronger clarity, and a sense of completion.

The final panel is where the structure should feel most complete.

9 Think like a creative director

Ask:

1. Does the viewer know where to look first?
2. Does each panel have a clear purpose?
3. Does the layout feel balanced?
4. Are the props arranged with logic?
5. Does the full image feel like one premium campaign?

That is compositional reasoning.



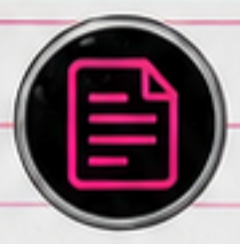
FINAL SCIENCE PROJECT LOG

Day number: 7 **Test name:** Compositional Reasoning Test



HYPOTHESIS

If the prompt clearly defines the role of each panel and instructs the model to organize objects, labels, and actions with spatial logic, then ChatGPT 2 will produce a 2x2 multi panel image that feels structured, intelligent, and visually coherent.



EXPERIMENT PROMPT SUMMARY

A multi panel master lab campaign image set inside a luxury chrome chemistry lab. The subject appears as a mad scientist presenting the final structured result of a visual experiment. Panel 1 introduces the experiment. Panel 2 shows tools, formulas, and coded notes. Panel 3 shows the active reaction with clear spatial logic. Panel 4 presents the final result board with a notebook, arranged tools, and highlighted periodic tiles including '07 CR Compositional Reasoning,' 'HY Hypothesis,' 'RS Results,' 'CT Control Test,' and 'EX Experiment.'



GENERATOR USED: ChatGPT 2



COMPARISON GENERATOR: _____



BEST RESULT: _____



WEAKEST RESULT: _____



SCORE: Refer to daily scorecard



MY OPINION: _____



FINAL CONCLUSION: _____



SAVE THIS FOR THE FINAL SCIENCE PROJECT

Day 7 showed that compositional reasoning is the final layer that turns a multi panel image into a true visual system. When each panel has a clear role and the objects are arranged with logic, the full campaign feels structured, premium, and highly intentional. This final synthesis proves that strong prompting is not just about style or detail. It is also about layout intelligence, visual order, and purposeful composition.





ROP™

Prompt Bank: Compositional Reasoning Test



Each entry includes a title, what it tests, why it is useful, and a short prompt.

1

Structured Lab Intro



What it tests: Establishing a strong opening panel with visual hierarchy.

Why it is useful: Helps confirm whether the model can create a clear entry point into the grid.

Prompt: Panel 1 introduces the subject at the main testing station with balanced placement of notebook, tools, and periodic tiles. The panel should feel like the anchor of the full composition.

2

Formula Layout Test



What it tests: Organizing small objects and readable notes in a clean way.

Why it is useful: Shows whether the model can handle denser information without visual chaos.

Prompt: Show a close up of formulas, labeled beakers, and periodic notes arranged in a deliberate, easy to read layout.

3

Reaction Logic Panel



What it tests: Spatial clarity during an active scene.

Why it is useful: Confirms whether the model can keep action readable while maintaining order.

Prompt: Show the subject performing a reaction with tools arranged logically around the main beaker, leaving clear visual focus on the reaction itself.

4

Final Results Board



What it tests: A conclusion panel with strong organization.

Why it is useful: Useful for testing how well the model can arrange multiple result objects in a clean finish.

Prompt: Show a notebook, neatly arranged tools, readable tiles, and a highlighted tile reading "07 CR Compositional Reasoning" in a clean final display.

5

Object Placement Discipline



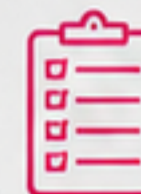
What it tests: Whether tools and notes stay logically placed.

Why it is useful: Prevents the image from feeling random or cluttered.

Prompt: Create four panels where the same core props repeat in believable positions, with no floating or randomly placed objects.

6

Panel Role Clarity



What it tests: Whether the viewer can easily tell what each panel is doing.

Why it is useful: Strong panel roles improve overall campaign readability.

Prompt: Create four panels with distinct jobs: introduction, detail, process, and final result. Make each role visually obvious.

7

Hierarchy Board



What it tests: Whether the model can create a clear first focal point and secondary details.

Why it is useful: Good hierarchy makes multi panel campaigns easier to read.

Prompt: In each panel, create one main focal point supported by secondary props and readable labels. Avoid clutter.

8

Logical Prop Arrangement



What it tests: Arrangement of tools, notes, and chemistry items in a believable system.

Why it is useful: Helps test whether the image feels intentionally designed.

Prompt: Arrange acrylic tools, chrome beakers, formula cards, and a testing notebook in a way that feels practical and visually balanced across all four panels.

9

Final Synthesis Grid



What it tests: Combining multiple visual requirements into one coherent system.

Why it is useful: This is useful for advanced campaign design and complex branded visuals.

Prompt: Build a 2x2 final synthesis image where every panel contributes to the same story and every object placement feels deliberate.

10

Notebook Reasoning Test



What it tests: Whether the notebook and written results can act as a compositional anchor.

Why it is useful: Great for educational and instructional brand visuals.

Prompt: Use the testing notebook as a key object that appears across panels, becoming most prominent in the final panel where the results are fully organized.

