

5.5 Synthesise sources without inventing agreement

Name: _____ Class: _____ Date: _____

Total: 24 marks**KEY WORDS** synthesis 综合分析 • transfer 迁移 • research gap 研究空白

Objective

Synthesise sources without inventing agreement. This is original GAC033-aligned practice, not an official assessment. All people, cards, records and instructions are fictional; no main study has been conducted.

1 Key knowledge and worked examples

■ Key knowledge: compare outcomes before combining claims

A **synthesis** 综合分析 connects sources around a theme and explains meaningful differences. A list of summaries is a useful starting record, but it does not show how the sources relate. Compare participants, task, changed feature and outcome before claiming agreement.

Transfer 迁移 asks whether a finding applies in another setting. It needs a reason, not just a similar title. A **research gap** 研究空白 is a justified missing piece in the evidence you have searched. Three cards cannot establish that nobody anywhere has studied a topic. For a real proposal, verify real sources rather than citing invented teaching cards.

■ Source A: proposal and task record

The fictional project will compare complete four-item paper sorting success under two label layouts among twenty-four willing classmates. Layout B changes spacing and alignment together; both conditions retain the same wording and task.

Three invented teaching cards are supplied. P: twelve adults made fewer location-choice errors with separated labels in one task; numerical totals and full methods are not supplied. Q: eight college volunteers preferred a more spacious layout; no accuracy task was measured. R: thirty-two students completed more software steps correctly with shorter wording; this was not a tray-label layout comparison. These are not real publications.

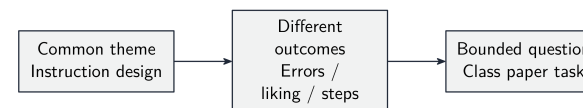
■ Source B: draft and current evidence

The draft says, “All three studies prove our layout B will make every classmate accurate. Q confirms that spacious layouts improve accuracy. R tested the same visual change as B. No one worldwide has researched labels, so our work fills the global gap.”

The team needs a short comparison organised around how instruction design may affect responses. It must explain differences, keep the proposed task uncompleted and identify

what real sources and methods still need verification. No card gives a result for the team’s proposed layouts.

■ Worked example: a common theme is not a common measurement



Known: all three cards concern instruction design, but their outcomes differ. Why compare outcomes first? Preference in Q cannot confirm accuracy in P or R. P is closer to layout but uses adults and a location-choice task; R changes wording in software, not spacing and alignment in tray labels.

A supported synthesis identifies the common theme, explains those limits and motivates a bounded classroom question. It does not announce that B wins. Record what was supplied, seek real sources and treat the proposed comparison as a question still requiring approval and collection.

2 Practice

2.1 Identify the outcome measured by P and the different outcome measured by Q. [2]

2.2 State the feature changed in R and why it is different from the proposed B layout.[2]

2.3 Give THREE relevant differences across the cards that a synthesis must retain. [3]

2.4 State a common theme, a limited question the cards can motivate and a required step before citing evidence in a real proposal. [3]

3 Exam-style questions

3.1 Evaluate THREE draft claims: “Q proves accuracy”; “R changed the same feature as B”; “These cards establish a worldwide research gap”. Give a correction and reason for each. [6]

3.2 Write a 100–130 word synthesis. Connect the common theme, compare each card with the proposed task, retain evidence limits and state a bounded next question and source-verification step. Do not present a main-study result. [8]