

Exercise walk-through

# 1.1

## Levels of explanation and evidence: supported rehearsal

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International Baccalaureate · IB Diploma · Psychology · SL

## Levels of explanation and evidence: method

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Biological explanations concern physiological processes; cognitive explanations concern processing; sociocultural explanations concern social context. They may interact.

A study needs a bounded claim, method, sample, measure and limits; an approach label is not evidence.

## Levels of explanation and evidence: reasoning

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Sleep may relate to encoding or retrieval, while stress or study time could influence both. Correlation alone cannot establish direction or mechanism.

An ethically approved design with controlled task conditions and appropriate allocation can improve inference, but sample and task still limit transfer.

## Levels of explanation and evidence: transfer review

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Activity is associated with the task under the measurement conditions. Other regions and processes may contribute, and activity may accompany retrieval rather than exclusively store memory.

Converging methods and suitable comparisons can refine the claim, but the scan alone cannot establish exclusive function.

## Exercises 2.1·3.1

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**2.1** For the worked case, identify the evidence and a conclusion it can support. Explain one material limit. [3]

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**3.1** A region is active during recall. Does this show it alone stores the memory? Give a reasoned answer, evidence or method, and a relevant qualification. [3]

## Exercises 2.1-3.1

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**2.1** For the worked case, identify the evidence and a conclusion it can support. Explain one material limit. [3]

**2.1** Sleep may relate to encoding or retrieval, while stress or study time could influence both. Correlation alone cannot establish direction or mechanism. An ethically approved design with controlled task conditions and appropriate allocation can improve inference, but sample and task still limit transfer. Authored points for identifying relevant evidence, explaining a supported inference and a material limit.

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**3.1** A region is active during recall. Does this show it alone stores the memory? Give a reasoned answer, evidence or method, and a relevant qualification. [3]

**3.1** Activity is associated with the task under the measurement conditions. Other regions and processes may contribute, and activity may accompany retrieval rather than exclusively store memory. Converging methods and suitable comparisons can refine the claim, but the scan alone cannot establish exclusive function. Authored points for a relevant judgement, reason tied to the case and justified qualification or method. Accept a supported alternative.