

## Theoretical Perspective

4 points

- Give solid description of need for study including mention of low performance on NAEP.
- Describe cognitive model and point out that multiple cognitive models could be produced. The author presents only one alternative.
- There is some prior research listed, but the connections are not that strong.
- Research question is not clearly related to design of study.

3 points

- Give good description of need for study.
- Describe cognitive model.
- Summarize research questions.

2 points

- Need for study
- Research questions
- Lacks good summary of cognitive components model

1 point

- Does not describe need for study and research question.

## Research Design

4 points

- Criticizes sample
- Indicates there is no control group
- Discusses confounding of item difficulty with practice effects
- Discusses validity of measures as indicators of cognitive processing
- Discusses assumptions of analysis procedures and the match of the data to the assumptions.

3 points

- Criticizes sample
- Lack of control group
- Assumptions of analysis

2 points

- Includes critique of sample or research design

1 point

- Indicates that the study was well conducted.

Interpretation of Results

4 points

- Needs to discuss other possible models, or at least mention that other models are possible.
- Discuss connection of results to model. Should indicate that the results do not have a direct connection to the model.
- Discuss lack of connection of results back to need of study and theoretical base. Results basically show that there is a practice effect.
- The results do not give clear guidance about how to improve performance on locating information tasks. Results indicate that practice improves performance.

3 points

- Connection between theory and results not clear.

2 points

- Focus on significant results and miss connection to theory

1 point

- State that study gives strong support to theory.