

# [Scientific method and case study](https://assignbuster.com/scientific-method-and-case-study/)

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Blank blank Psychologists use a variety of research methods to study behavior.

Three of the mall research methods used are: case study, correlation study, and experiment. A. Discuss one advantage of each research method listed above: A typical advantage of a case study is that they provide detailed information about the case and what is being studied. A typical advantage of a correlation study is that they examine, reveal, compare, test, and describe relationships between two rabbles; they also can be efficient and save time and money.

A typical advantage of an experiment is that they may establish cause and effect relationships also; they allow the researcher to distinguish between placebo and real effects.

B. Discuss one disadvantage of each research method listed above: A disadvantage to a case study Is that their results cannot be generalized. They also cannot be used to establish cause and effect relationships. A disadvantage to a relation study is that they are prone to inaccurate reporting.

A disadvantage to an experiment is that they reduce external validity.

C. For each method above, explain a key characteristic of the basic approach you could use to reach a scientific conclusion about the relationship between taking vitamin J and improving memory. Case study: A study of one person or functional unit. Correlation study: Discussion of the relationship or correlation between vitamin J and memory. Experiment: Establishment or use of valiant J, control, or placebo control groups.

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