# Lesson Element

# Research Methods Activity 1

Below are a series of questions about a study provided in the source. The catch is that there is no source yet. Your job is to write a source (i.e. an outline of a study) that allows all of the questions below to be answered.

Source

A psychologist wanted to investigate…

1. Write an alternative hypothesis for this study. (2 marks)
2. The psychologist used an experiment to carry out her research. Outline **one** strength of using this method in the study. (2 marks)
3. i) Name the experimental design used by the psychologist. (1 mark)

 ii) Explain **one** limitation of using this design in this study. (2 marks)

1. Identify the independent variable and the dependent variable in this study. (2 marks)
2. i) Name the sampling method used by the psychologist. (1 mark)

 ii) Briefly outline how the participants could have been selected using this method. (1 mark)

1. Explain **one** control that should have been used in this study. (3 marks)
2. Outline **one** ethical issue raised by this study. (2 marks)
3. What conclusion should the psychologist conclude from her results? Justify your answer. (2 marks)
4. i) Name one inferential test that could be used to analyse the data from this study. (1 marks)

 ii) Explain **one** reason for choosing this test with reference to the study. (2 marks)

1. Outline how **one** non-experimental method could be used to further investigate the hypothesis. (3 marks)