

Sampling

- 1 Which type of sampling involves selecting participants who are easily available? [1]
- 2 Read the text. Which sampling method is being used? [1]

A researcher decides to select participants from a university corridor. She randomly chooses a starting point and time, and then selects every 20th person who walks along, asking them if they are willing to take part.

- 3 Complete the sentences by choosing the best words from the selection below. You do not have to use all the words. [3]

representative generalising small large inferring reminiscent

It is important to be able to conclude that findings from a sample will also be true of the target population. Researchers call this the results from the sample to the population. This is only valid when a sample is of the target population as whole – in other words, it has similar characteristics. A sample helps to reduce the effect of variation within the sample.

- 4 What term is used to describe the group of people from which a sample is selected? [1]
- 5 Student researchers sometimes select a sample by asking their friends to take part in an experiment. Explain **two** ways in which such a sample might be biased. [2]

Variables and Hypotheses

- 1 What is the name of the prediction that a researcher makes at the outset of an experiment? [1]
- 2 Complete the following sentence. [1]
 Researchers manipulate one variable – the variable – and measure the level of another variable, which is known as the variable.
- 3 Explain what is meant by experimental control. [3]