**Assessment**

## Question 1

Sheet: Question 1 - sort and filter

1. Select the entire sheet and sort the data by ascending Size (hectares), making sure the headers (column headings in the first row) stay where they are at the top of the sheet.
2. Use a filter to display only forests located in Hampshire and Snowdonia.

**Switch to the sheet ‘Questions 2–4 – data analysis’ for the next questions.**

## Question 2

Sheet: Questions 2–4 – Data analysis

Use functions to work out each of the following in the spaces provided on the spreadsheet:

1. The size of largest forest
2. The size of the smallest forest
3. The total area covered by all the forests
4. The average forest size
5. The number of entries in the Size column
6. The number of forests in England (hint: find how many times “England” appears in the Country column)
7. The number of forests that are greater than 10,000 (ten thousand) hectares in size

## Question 3

Sheet: Questions 2–4 – Data analysis

1. Add a new column called Size (acres). In it, convert all of the hectare measurements to acres using the formula acres = hectares \* 2.47
2. Add another new column called ‘Size category’. The entries in this column should read either “small” if the area is less than 1000 hectares, and “large” otherwise (do not worry about forests that have no entry for size).

## Question 4

Sheet: Questions 2–4 – Data analysis

Use conditional formatting to highlight forests which are larger than 10,000 (ten thousand) hectares in size. You can use any colour you like.

**Switch to the sheet ‘Questions 5 – Chart’ for the final question.**

## Question 5

Sheet: Question 5 – Charts

A survey is regularly conducted in the UK to measure public opinion of forestry. One question asks people how often they visit forests in the summer. The results of this question are shown in the spreadsheet.

1. Make a pie chart that shows the proportion of each response in 2009
2. Make a pie chart showing the proportion of each response in 2019

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