

# SCIENCE OF THE SNOWY SCHEME

*with Kirsten Banks*

## WEATHER

### Multiple choice questions

1

Where are Kirsten and Mic?

CIRCLE ANSWER

Blue Mountains

Guthega Meteorological Station

Cooma Weather Station

2

What is measured at this weather station?

CIRCLE ANSWER

Water flow and speed

Precipitation, humidity and temperature

Pygmy Possums

3

What part of Australia is the Snowy Mountains?

CIRCLE ANSWER

North Western Australia

South Eastern Australia

North Eastern Australia

### Complete the statements by filling in the missing word

The Snowy Mountains is the \_\_\_\_\_ mountain range in Australia | **highest or lowest**

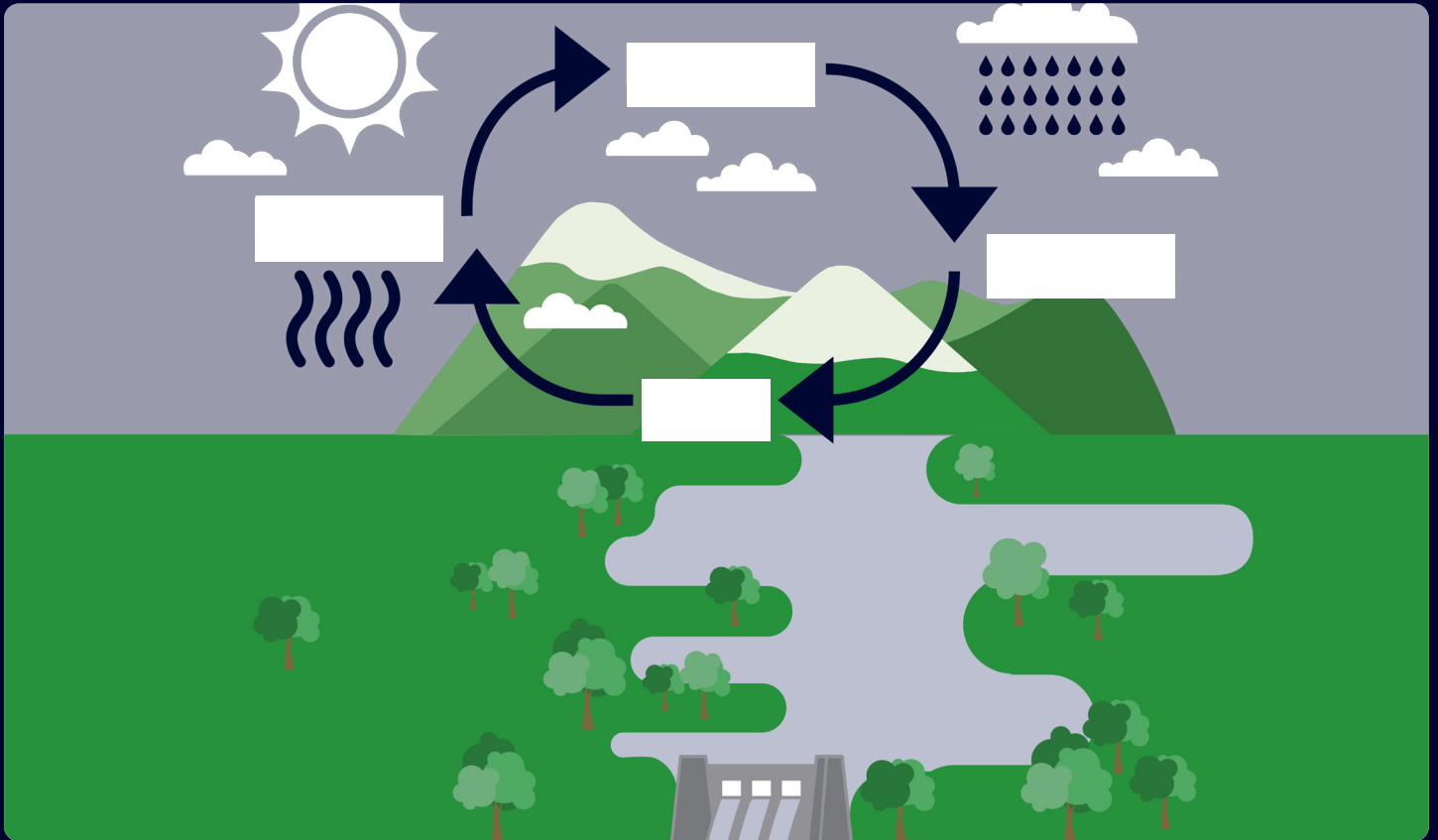
The Snowy Mountains is the ideal place for \_\_\_\_\_ to collect naturally | **snow or rain**

Snow \_\_\_\_\_ to make water to generate clean green hydro power | **freezes or melts**

## The water cycle

Label the diagram using the word bank below

condensation | evaporation | precipitation | run-off



### Research question

What is the name of the instrument seen in the video that Snowy Hydro uses to measure the depth and water content of snow?

Answer \_\_\_\_\_

Click here or visit [snowyhydro.com.au/education-resources/weather/](https://snowyhydro.com.au/education-resources/weather/) to find out the answer!



In one sentence answer the question below

What role did the weather play in selecting the Snowy Mountains for the location of the Scheme?

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### Research question

How important is weather data to the operation of the Scheme?

Use the word bank to find the answer

rely | water | licence | hydro | data | meteorologists | weather station

Operations of the Scheme \_\_\_\_\_ on the data which goes into forecasting done by Snowy Hydro \_\_\_\_\_ based in Sydney and Cooma.

Forecasting uses \_\_\_\_\_ collected from the \_\_\_\_\_. The data provides essential knowledge to operations to ensure that \_\_\_\_\_ is in the right place at the right time. Water is moved around the Scheme to meet the water \_\_\_\_\_ requirements and to generate clean, green \_\_\_\_\_ power.

### Summary question

Why does the water need to be in the right place at the right time across the Snowy Scheme?

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