

SCIENCE OF THE SNOWY SCHEME

with Kirsten Banks

CLOUD SEEDING

Multiple choice questions

1

Where are Johanna and Kirsten?

CIRCLE ANSWER

- Canberra cloud seeding weather testing facility
- Cabramurra cloud seeding remote testing facility
- Cabramurra township weather station

2

What is cloud seeding?

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- A hydroponics garden
- A way to grow clouds
- Weather modification technique

3

What is the name of the cloud seeding technique used?

CIRCLE ANSWER

- Glaciogenic cloud seeding
- Hydroponic cloud seeding
- Stratocumulus cloud seeding

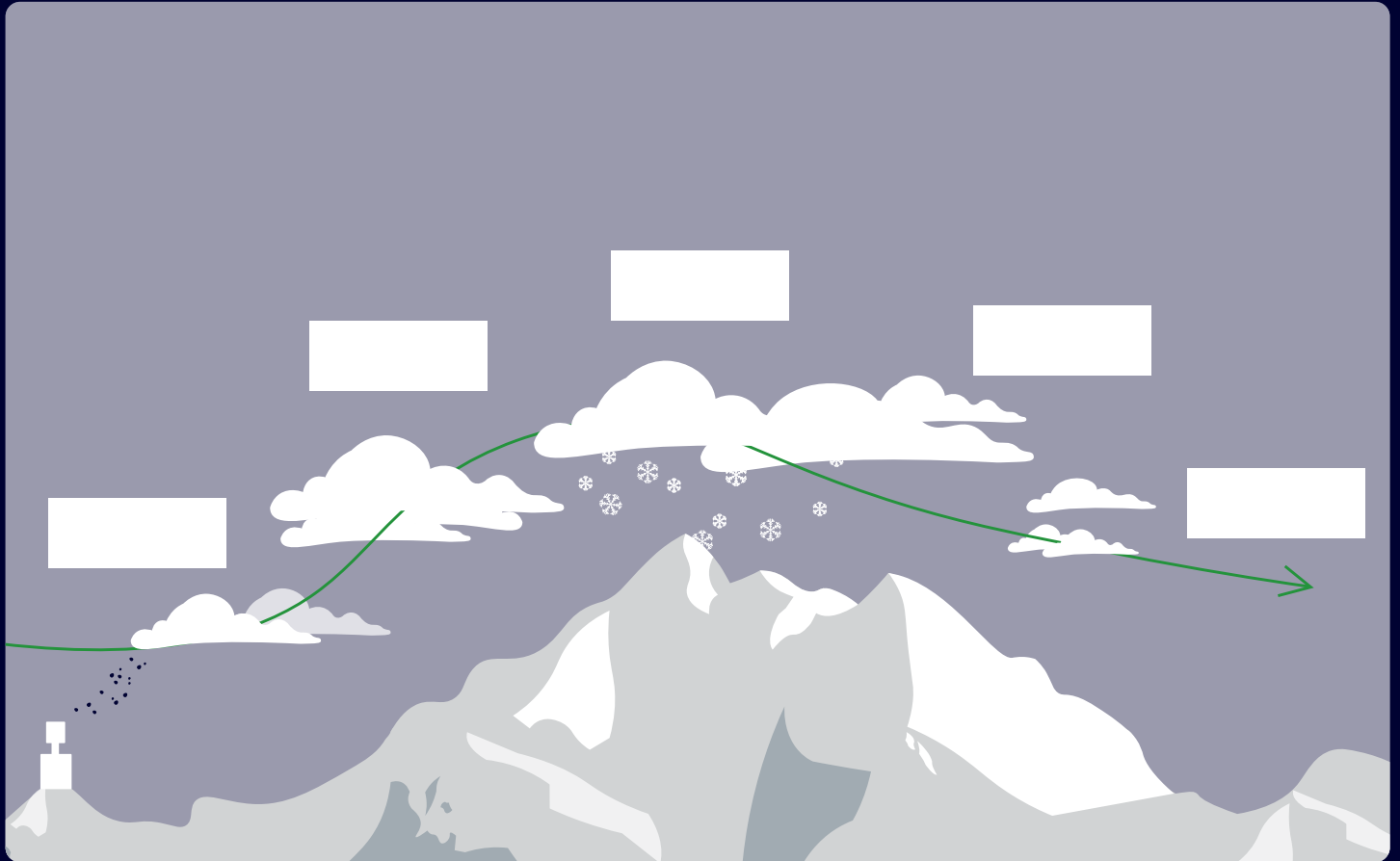
Complete the statements by filling in the missing words

legislation | duration | enhance | snow | availability | blizzardy | dramatically | weather

1. The snow season varies _____ in terms of snow depth, the snow extent and the _____ of the snow cover.
2. Glaciogenic cloud seeding introduces cloud seeding particles into the cloud under certain _____ conditions, to _____ the falls.
3. Cloud seeding produces a little extra _____ and when that snow melts it increases water _____ to create clean renewable energy
4. Under NSW _____ Snowy Hydro only cloudseeds when snow will fall at an elevation of 1,400m or more. Generally looking at very cold and _____ conditions when cloud seeding.

Use the word bank below to label the diagram

ice crystals form | more snow falls | particles released | air flow | particles rise



Did you know?

In the Australian Alps, once snowflakes settle on the ground, they start to join together and lose their individual shapes quickly, as temperatures are often not much below freezing for long.

Questions

1. Does Snowy Hydro cloud seed all the time? Circle Yes | No
2. Does the cloud seeding program sit under NSW legislation? Circle Yes | No
3. Does cloud seeding happen during particular weather conditions during winter? Circle Yes | No

Snowflake symmetrical drawing

Complete the mirror image of the snowflake | Hint - use the grid lines to help you

