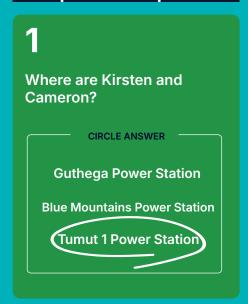
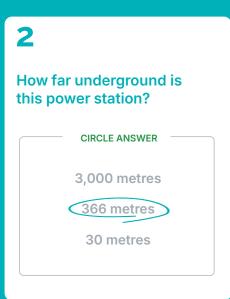
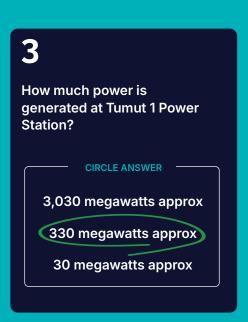
SCIENCE OF THE SNOWY SCHEME with Kirsten Banks

GOING UNDERGROUND

Multiple choice questions







Why build underground?

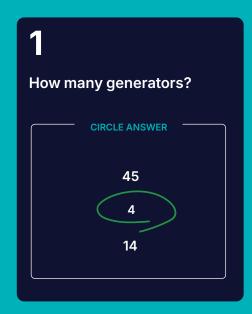
Use the word bank below to complete the description

two | low | Tumut 1 | energy | surface | tunnel | stable | water

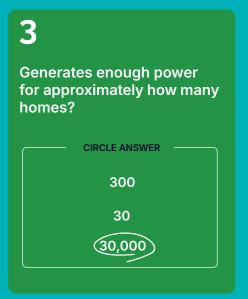
Tumut 1 Power Station is situated betwee			two	dams in the Snowy Mountains. To
generate as muchenergy		rgy as possible out o	f the water	, the power station was
positioned as	low	as it could be. The _	surface	rock was loose and unstable. This
geological fact contributed to the decision to _			tunnel i	n and construct the power station on
stable	bed rock.			

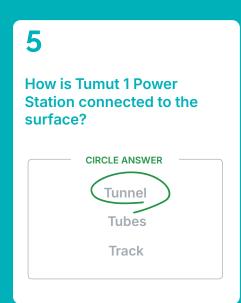


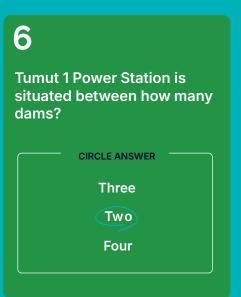
Multiple choice questions | Tumut 1 Power Station

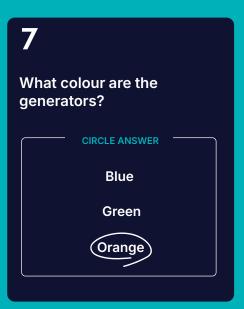












Did you know?

Rock bolting

During construction of the Snowy Scheme, Snowy workers of the time further developed the technique of rock bolting. This provided a safer and cheaper alternative to concrete-lining for supporting rock in tunnel walls. Rock drill designs and drilling techniques also influenced the design of the modern-day masonry drill bit.



Design your own interconnected tunnel system

Hint - label your map either side view or top view

Use the symbols in the legend to create your map

- RIVER
- UNDERGROUND POWER STATION
- TUNNELS
- POWER OR PUMPING STATION
- WATER STORAGE

Top view (TV) The top view is projected on the horizontal plane - a birds eye view

Side view (SV) The side view is projected on the profile plane

My map of an interconnected tunnel system

Students to design their own tunnel system