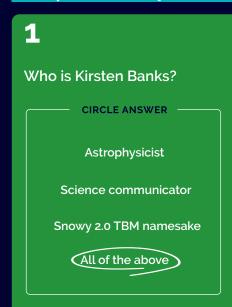
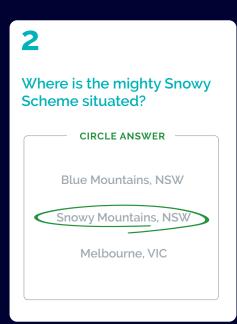
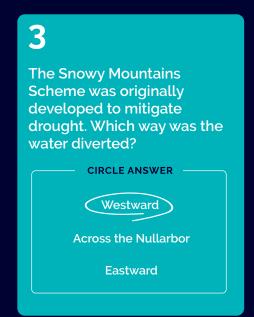
# SCIENCE OF THE SNOWY SCHEME with Kirsten Banks

SNOWY SCHEME OVERVIEW

### Multiple choice questions







## Use the word bank below to complete this paragraph

renewables | captures | snowmelt | critical | water | tunnels | reservoirs | underpinning | network | stores | light | diverts

The Snowy Scheme has a <u>critical</u> role in keeping the <u>lights</u> on and <u>underpinning</u>

Australia's transition to <u>renewables</u>. The Scheme <u>captures</u>, <u>stores</u> and <u>diverts</u>

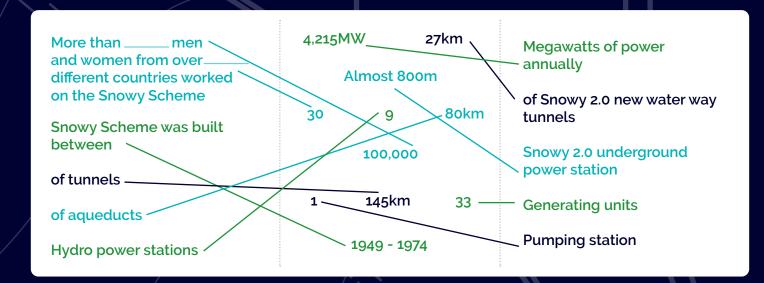
the <u>water</u> from <u>snowmelt</u> combined with spring rainfall using a complex <u>network</u>

of aqueducts and trans-mountain <u>tunnels</u>. This network channels the water into 16 major <u>reservoirs</u> to be stored as energy in waiting.



#### Match the facts and assets

#### Draw a line connecting the fact/asset to a number



#### Complete the sentences and questions

#### Circle the correct answer

Example - Junnels, dams and hydro power stations coal, rocks and train stations use the power of water to generate clean renewable energy

- 1. What is Snowy 2.0? A new event in the winter Olympics | pumped-hydro expansion project
- 2. Is Snowy 2.0 Australia's largest committed renewable energy project? No | yes
- 3. Snowy 2.0 project will reuse water between two existing reservoirs, Talbingo and Tantangara | Jindabyne and Guthega
- 4. What does TBM stand for? Totally Big Machine | Tunnel Boring Machine
- 5. Pumped-hydro provides on-demand dispatchable renewable energy | on-order dispatchable renewable energy.
- 6. The Snowy 2.0 project will pump when demand is high | low and there is excess renewable energy supply.
- 7. Snowy 2.0 will generate when demand is high | low, or when other generation sources are not producing, such as seaweed and tide output or outages in nuclear power stations | wind and solar output or outages at base load coal power stations



