

Breakthrough Australian Science: New Species, Ancient Artifacts, and Medical

Australian Science · Answer Key · 8 Questions

1. What significant discovery was made in the Coral Sea off the coast of Australia in late 2025, involving marine life?

- A) Over 110 new species of fish and invertebrates were identified.**
- B) A giant underwater volcano was discovered.
- C) Ancient shipwrecks containing pirate treasure were found.
- D) A new type of coral reef capable of self-repair was found.

2. What was found underwater off Western Australia's Pilbara Coast by Flinders University researchers, providing evidence of ancient human presence?

- A) Stone artifacts dating back at least 9,000 years.**
- B) A submerged city from a lost civilization.
- C) Fossils of an unknown marine reptile.
- D) A sunken treasure chest filled with gold coins.

3. What kind of advancements in medicine are being highlighted in Australia in 2024, with the use of artificial intelligence?

- A) AI is enhancing diagnostics and tailoring treatment plans.**
- B) AI is being used to predict future pandemics with perfect accuracy.
- C) AI has enabled humans to communicate directly with animals.
- D) AI is controlling all weather patterns to prevent natural disasters.

4. What is Australia's first domestically built space telescope called, which recently sent back its first 'selfies' after over 600 days in orbit?

- A) SpIRIT**
- B) Astro-Roo
- C) OzSky
- D) Cosmo-Kangaroo

5. Researchers in Australia have discovered a new strategy to suppress the growth of aggressive cancers by targeting which molecular process?

- A) Minor splicing**
- B) Photosynthesis
- C) Cellular respiration
- D) DNA replication

6. What record-breaking renewable energy capacity is Australia aiming for by 2030, as part of its clean energy policies?

- A) 82% renewable electricity target**
- B) 50% renewable electricity target
- C) 95% renewable electricity target
- D) 70% renewable electricity target

7. What astronomical discovery in 2023 involved Australian astronomers finding evidence for what kind of cosmic phenomenon?

- A) Low-frequency gravitational waves**
- B) Extraterrestrial signals from intelligent life
- C) A previously unknown type of star
- D) The edge of the observable universe

8. What significant finding has been made regarding human occupation in Australia's high country during the Ice Age, overturning previous theories?

- A) The high country was occupied, aligning Australia with global data on human movement in cold climates.**
- B) The high country was uninhabitable due to extreme cold and lack of resources.
- C) Humans only reached the high country after the Ice Age had ended.
- D) Evidence suggests humans were driven out of the high country by megafauna.