

# Australia's Cutting-Edge Science: AI Supercomputers, Space Tech, and Health

Science · Practice Test · 10 Questions

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**1. What is the name of the new AI supercomputer launched by Monash University to accelerate research in areas like cancer and infectious diseases?**

- A) MAVERIC
- B) CSIRO
- C) ARTEMIS
- D) POSSUM

**2. Which Australian university is collaborating with the Republic of Korea to develop AI and machine learning technologies for onboard LEO satellites?**

- A) University of Western Australia
- B) Macquarie University
- C) Adelaide University
- D) Monash University

**3. The Australian Space Summit & Exhibition is scheduled to take place in Sydney on which dates in June 2026?**

- A) June 1-2
- B) June 5-6
- C) June 17-18
- D) June 25-26

**4. What is a key focus of the new National Health and Medical Research Strategy 2026-2036 for Australia?**

- A) Expanding fossil fuel research
- B) Strengthening the health and medical research workforce and accelerating new treatments
- C) Reducing funding for cancer research
- D) Focusing solely on environmental science

**5. Researchers at UNSW Sydney are leading a trial called RESTORE to investigate treatments for which condition in post-menopausal women?**

- A) Osteoporosis
- B) Coronary Microvascular Dysfunction (CMD)
- C) Type 2 Diabetes
- D) Alzheimer's Disease

**6. What significant space mission, launched in April 2026, did Australian facilities support with tracking and communications?**

- A) Mars Perseverance Rover mission
- B) Artemis II
- C) James Webb Space Telescope deployment
- D) Voyager 1 flyby

**7. A landmark study, co-led by WEHI, identified a blood signature that can predict the risk of which type of cancer years before diagnosis?**

- A) Breast Cancer
- B) Prostate Cancer
- C) Lung Cancer
- D) Leukemia

**8. Which Australian telescope played a crucial role in producing the largest and most detailed maps ever made of the universe's magnetic fields?**

- A) Hubble Space Telescope
- B) James Webb Space Telescope
- C) ASKAP (Australian Square Kilometre Array Pathfinder)
- D) Very Large Telescope

**9. Researchers are concerned that South Australia's booming koala population may be heading towards what environmental issue?**

- A) Mass starvation due to overpopulation
- B) Increased predation by invasive species
- C) Habitat destruction from bushfires
- D) A decrease in genetic diversity

**10. What is the primary goal of the 2026 Research Translation Grant for Australian dementia researchers?**

- A) To fund basic research into the causes of dementia
- B) To develop new diagnostic imaging techniques
- C) To transform evidence-based research into practical improvements in dementia care and support
- D) To establish international research collaborations