

South Korea's Cutting-Edge Science: Quantum Leaps, AI Innovations, and De

South Korean Science · Answer Key · 8 Questions

1. Which South Korean research institute discovered a new species of chiton, identified as *Acanthochitona feroxa*, along the country's coasts?

- A) KAIST
- B) Korea Institute of Science and Technology (KIST)
- C) Kyungpook National University (KNU)**
- D) Korea Aerospace Research Institute (KARI)

2. In what year was the AI Basic Act, a comprehensive AI legislation, passed by the National Assembly of Korea?

- A) 2023
- B) 2024**
- C) 2025
- D) 2026

3. South Korea aims to become one of the world's top three AI powers. Which government committee serves as the AI policy command tower to help achieve this goal?

- A) National AI Strategy Committee**
- B) Presidential Committee on AI (PCAI)
- C) AI Basic Act Committee
- D) Korea AI Council

4. What is the primary focus of South Korea's National Strategic Plan for Quantum S&T (2021)?

- A) Developing advanced battery technology
- B) Investing in quantum computing, communication, cryptography, and sensing**
- C) Creating new agricultural crop varieties
- D) Building high-speed rail networks

5. South Korea has the world's highest robot density. Approximately how many installed robots are there per 10,000 manufacturing workers?

- A) Around 500
- B) Around 750
- C) Around 1,012**
- D) Around 1,500

6. What is the main objective of the South Korean lunar probe Danuri, currently on its mission?

- A) To search for water ice on the moon
- B) To study lunar geology and map the moon's surface**
- C) To test deep-space communication technologies
- D) To prepare for a manned lunar mission

7. Which South Korean university's researchers developed a method to reprogram cancer cells into normal cells using an AI system called BENEIN, without chemotherapy or radiation?

- A) Seoul National University
- B) Yonsei University
- C) Korea University
- D) KAIST**

8. South Korea is developing the Korean Positioning System (KPS). By what year is the first satellite for KPS scheduled to be launched?

- A) 2025
- B) 2027**
- C) 2030
- D) 2035