Celestial Geography and Observatories

Astronomy · Answer Key · 8 Questions

1. The Paranal Observatory, home to the Very Large Telescope (VLT), is geographically situated in which specific desert region?

A) Gobi Desert
B) Atacama Desert
C) Kalahari Desert
D) Great Victoria Desert

2. Which mountain peak in the Canary Islands hosts the Roque de los Muchachos Observatory, chosen for its stable atmospheric conditions?

A) Mount Teide
B) Roque Nublo
C) Roque de los Muchachos
D) Pico de las Nieves

3. The South Pole Telescope (SPT) is located at the Amundsen-Scott South Pole Station, which experiences how many days of continuous darkness during the polar night?

A) 90 days
B) 182 days
C) 120 days
D) 60 days

4. Mauna Kea Observatory in Hawaii is located at an altitude of approximately 4,207 meters. In which geological feature is the summit observatory complex situated?

A) A dormant shield volcano
B) A caldera
C) A cinder cone
D) A stratovolcano

5. The Australian Square Kilometre Array Pathfinder (ASKAP) is located at the Murchison Radio-astronomy Observatory in which remote region?

A) Simpson Desert
B) Nullarbor Plain
C) Murchison Shire, Western Australia
D) Cape York Peninsula

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6. The Isaac Newton Group of Telescopes is situated at the Observatorio del Roque de los Muchachos, which is administratively part of which country?

A) Portugal
B) Spain
C) Morocco
D) Cape Verde

7. The Pierre Auger Observatory, primarily designed to detect ultra-high-energy cosmic rays, is located on a high-altitude plain in which country?

A) Chile
B) Argentina
C) Bolivia
D) Peru

8. The Very Large Array (VLA) consists of 27 radio antennas arranged in a Y-shape on the Plains of San Agustin in which US state?

A) Arizona
B) Nevada
C) New Mexico
D) Utah

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