

The 'Abyssal Eye' Project

LISTENING SIMULATION | Section 4



SCAN FOR AUDIO

1-3

Based on Professor Sterling's lecture, which **THREE** of the following represent the underlying reasons for the rejection of specific proposed deployment coordinates?

Select **THREE** options

- 1. A. The presence of sub-oceanic vibrations that would continuously disrupt the calibration of visual detection arrays.
- 2. B. The necessity for bespoke, reinforced containment vessels that would exceed the fiscal parameters established by the oversight committee.
- 3. C. The failure to secure a vital international ecological exemption prior to the stipulated installation deadline.
- 4. D. An unprecedented saturation of algorithmic noise-cancellation systems caused by deep-sea fauna.
- 5. E. The unanticipated sequestration of the secondary contingency fund to offset logistical penalties.
- 6. F. The inability to cannibalize pre-existing infrastructure due to the presence of micro-seismic tremors.
- 7. G. The degradation of the signal-to-noise ratio stemming from the proximity of onshore fiber-optic trunk lines.

4-6

Which **THREE** of the following statements accurately reflect the logistical and administrative realities of the 'Abyssal Eye' initiative as articulated by Professor Sterling?

Select **THREE** options

- 1. A. The mitigation of biological light interference at the finalized site will rely exclusively on post-acquisition data processing rather than physical hardware modifications.
- 2. B. The geographical theater historically utilized by the international consortium has been entirely abandoned for both current and future programmatic scopes.
- 3. C. The finalized deployment location was selected not for its flawless optimality, but because it was the sole option that navigated all intersecting, non-negotiable constraints.
- 4. D. The primary funding apparatus imposed a strict expenditure cap specifically to offset the logistical penalty associated with the Kerguelen Plateau.
- 5. E. The temporal constraint mandating completion prior to the global supply chain freeze directly resulted in the disqualification of a site possessing unparalleled scientific merit.
- 6. F. The academic consortium successfully synthesized the disparate requirements of the Mid-Atlantic Ridge and the Pacific Basin to establish a unified operational theater.

7. G. The attenuation of atmospheric muons necessitates an aquatic overburden that can only be found in areas devoid of commercial shipping and deep-sea dredging.

7-9

Professor Sterling implies that the decision-making process for megascale astroparticle infrastructure is fundamentally characterized by which THREE of the following?

Select THREE options

1. A. The subordination of optimal scientific architecture to administrative and geopolitical limitations.
2. B. The systematic prioritization of resilient, pragmatic compromises over structurally elegant but logistically untenable solutions.
3. C. The mandatory integration of physical filtration mechanisms to counteract the degradation of signal-to-noise ratios in hostile pelagic zones.
4. D. The reliance on historical operational theaters to circumvent the labyrinthine vetting processes mandated by international oversight committees.
5. E. The necessity of navigating and reconciling mutually contradictory variables to achieve a viable operational consensus.
6. F. The retroactive application of fiscal constraints to eliminate geographical coordinates that exhibit excessive bioluminescent interference.
7. G. The utilization of custom-engineered containment vessels to bypass the non-negotiable hard constraints imposed by funding apparatuses.

Answer Key

1	A	2	B
3	C	4	A
5	C	6	E
7	A	8	B
9	E		