edutainment

ACADEMICA Virtual Education

Student Name: _____

Ian Sheard
Careers involving Submarines

1. What inspired Ian Sheard to initially pursue engineering?

   A. His interest in submarines
   B. His experience in the oil industry
   C. Building radio-controlled model aircraft
   D. A family member's encouragement

Answer: _____

2. Where did Ian Sheard encounter his most memorable underwater visibility experience?

   A. Catalina Island
   B. Grand Cayman
   C. West Africa
   D. Papua New Guinea

Answer: _____

3. According to Ian Sheard, what happens to a submarine as it descends into deeper water?

   A. It becomes lighter
   B. It remains the same
   C. It compresses and gets heavier
   D. It expands due to pressure

Answer: _____

4. What material is commonly used for submarine windows, according to Ian Sheard?

   A. Glass
   B. Acrylic
   C. Steel
   D. Polycarbonate

Answer: _____

5. What is one of the major challenges in designing submarines for deep-sea exploration?

   A. Surface logistics and wave action
   B. Finding qualified engineers
   C. Limited market demand
   D. Lack of advanced materials

Answer: _____

6. What emerging underwater technology does Ian Sheard find exciting?

A. Manned submarines
B. Deep-sea drilling rigs
C. Autonomous Underwater Vehicles (AUVs)
D. Advanced scuba gear

Answer: _____

7. What advice did Ian Sheard give to students regarding career choices?

A. Focus on one area of expertise
B. Avoid taking risks in your career
C. Keep an open mind and embrace opportunities
D. Choose engineering as a safe career path

Answer: _____

Written Response Questions

8. Describe how Ian Sheard's engineering background and hands-on experience contributed to his success in the field of submarine design.

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9. What are some of the environmental challenges Ian Sheard mentioned when exploring deep-sea areas, and how does he suggest addressing them?

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10. IBased on Ian Sheard's experiences, how do new technologies, like AUVs, enhance our understanding of the underwater world? Provide examples from the discussion.

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