

Intermediate Science 8
STSE- Undersea Adventure



Student Name: _____

PART A: MULTIPLE CHOICE: Place the correct answer in the space provided on the answer sheet.

1. What year was the wreck of the Titanic discovered?
(A) 1912
(B) 1972
(C) 1985
(D) 2005
2. What did Robert Ballard use to discover the wreckage of the Titanic?
(A) Underwater Video/Pictures
(B) Satellites
(C) ROV
(D) Manned submersible

3. Which of the following is true for Alvin?

	Dive Depth (m)	# hours under water
(A)	1985	2
(B)	450	2
(C)	4500	9
(D)	4500	9

4. What was ROV stand for?
(A) Remotely Operated Vehicle
(B) Remotely Owned Vehicles
(C) Randomly Operated Vehicles
(D) Remotely Owned Vehicle
5. Why are ROV used more than Manned Submersibles?
I They are inexpensive
II They can go to greater depths
III They can stay under the surface longer
(A) I and II
(B) II and III
(C) I and III
(D) I, II and III

6. Which of the following are equipped on an ROV?
- I) Space for people
 - II) Air tanks
 - III) Video Cameras
 - IV) Exterior lights
- (A) I and II
 - (B) I and IV
 - (C) II and III
 - (D) III and IV
7. What is a magnetometer?
- (A) It finds electric currents
 - (B) It is used to locate metal objects
 - (C) It is used to locate nonmetal objects
 - (D) It is used to locate magnetic material on the ocean floor
8. What the acronym SONAR stand for?
- (A) Sea Navigation Ranging
 - (B) Sea Navigation Rapping
 - (C) Sound Navigation Ranging
 - (D) Sound Navigation Rapping
9. How is an ROV different from a Rover used is space exploration?
- (A) It is attached by a tether
 - (B) It is equipped with cameras
 - (C) It is equipped with lights
 - (D) It can manipulate objects, dig, cut and take samples
10. Which depth is considered a technical dive?
- (A) Above 40 m
 - (B) At 40 m
 - (C) Below 40 m
 - (D) Once you go below the surface

MATCHING : PART B

Instruction: Match each Term on the left with the best Descriptor on the right. Each Descriptor may be used only once. Place your answers on the scantron


TERM	DESCRIPTOR
11. ____ SCUBA	(A) Use sound waves to probe the seabed
12. ____ Magnetometer	(B) Is a device for finding metal objects
13. ____ Cadborosaurus	(C) creature similar to the fabled Loch Ness Monster, was believed to be sighted in Trinity Bay
14. ____ Squid	(D)underwater explorations have verified the existence of this organism that can reach a length of 20 m.
15. ____ SONAR	(E) Refers to Self Contained Underwater Breathing

PART C: WRITTEN RESPONSE

1. Why would we need to use ROV's in deep water

2. What are some uses of ROV's

3. Use the chart below to compare ROV and Rovers. State how they are similar and different.

<p style="text-align: center;">ROV</p> 	<p style="text-align: center;">ROVER</p> 