MODERN EARTH SCIENCE

Chapter 21

Ocean Water

		e statement is true, we state to space provide to the space provide to t	write T in the space ${f d}$.	provided.	
1. Organi	1. Organic remains in ocean water are broken down by bacteria.				
2. The A	2. The Arctic Ocean is covered by pack ice during most of the year.				
3. Pure fr	3. Pure fresh water is denser than ocean water.				
4. The ter	4. The temperature of ocean water drops sharply not far below the ocean surface.				
5. Zoopla	_ 5. Zooplankton use the energy from sunlight to carry on photosynthesis.				
6. Plants	6. Plants that grow on the ocean floor belong to a group of organisms called benthos.				
7. Squid a	7. Squid and octopus live in the hadal ocean bottom zone.				
	2. The Delbuoy system of removing salt from ocean water developed by Pleass is powered by ocean waves.				
9. In gene ocean.	9. In general, the elements needed by marine life are released at great depths in the ocean.				
10. Polluta	10. Pollutants can be found in measurable amounts everywhere in the oceans.				
Choose the one best response. Write the letter of that choice in the space provided.					
11. What percentage of ocean water is pure water?					
a.	3.5%	b. 39.5%	c. 57.5%	d. 96.5%	
12. Which of the following gases dissolves most easily in ocean water?					
	hydrogen nitrogen		b. oxygend. carbon dioxide		
13. The mo	ost abundant ma	ijor element dissolve	ed in ocean water is:		
2.	boron.	b. chlorine.	c. calcium.	d. potassium.	
14. The mo	ost valuable reso	ource taken from the	e ocean is:		
b.	 a. copper deposited on the ocean floor. b. calcite found in seashells. c. petroleum from beneath the ocean floor. 				

d. gold dissolved in ocean water.

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Choose the one best response. Write the letter of that choice in the space provided.

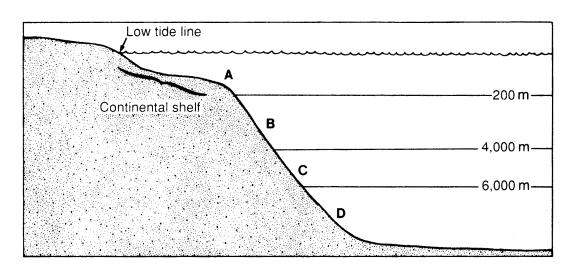
- _____ 15. Which of the following elements is greatly depleted from ocean water by heavy plant growth?
 - a. nitrogen
- b. magnesium
- c. oxygen
- d. sodium

- _____ 16. Nodules are a valuable source of:
 - a. carbon.
- b. manganese.
- c. silicon.
- d. magnesium.
- _ 17. In which of the following environments does salinity tend to be higher?
 - a. surface temperate waters
- b. surface tropical waters

c. deep lake waters

- d. deep tropical waters
- ____ 18. Freezing ocean water can create fresh water because the salt:
 - a. crystallizes within the ice.
 - b. remains in pockets of liquid water.
 - c. freezes faster than water.
 - d. evaporates as the water is frozen.

Use the diagram below to answer questions 19 and 20.



- 19. Which ocean environment in the diagram represents the sublittoral zone?
 - a. A
- b. B
- c. C
- d. D
- ___ 20. Which ocean environment in the diagram represents the hadal zone?
 - a. A
- b. B
- c. C
- d. D