SOL 5	.6 Oceans	Question/Answer Packet	
	ent will investigate and understand characteristics of the o	•	
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5.6 a) geological characteristics			
_		What the land looks like- including:	
		Continental Shelf	
1.	Geographic characteristics of the ocean	Continental slope	
		Continental rise	
		Trench	
		Abyssal Plain	
		Is relatively shallow, it is the underwater edge of	
		the continent	
2.	Describe the Continental Shelf.	 Is home to most of the ocean life (including plants and animal). 	
		It begins at the shoreline and gently slopes	
		underwater.	
	5	A steep slope that separates the continental shelf from the	
3.	Describe the continental slope.	deep ocean basin. (from 200m to 3,000m in depth)	
		The area of the ocean at the bottom of the continental	
4.	Describe the continental rise.	slope. It is a vast underwater hill made from tons of built-	
		up sediment.	
5.	Describe the trench.	A very long and narrow canyon-like depression deep in the	
		ocean floor.	
6.	Describe the abyssal plain.	A very wide, very flat section of the deep ocean floor made	
	<u> </u>	of thick layers of sediment. Sediment- which is made up of all the debris that drifts	
7	What covers the ocean floor?	·	
7.	what covers the ocean hoor?	down from above, such as dead fish, decaying plants,	
	NAII () () () () () () () () () (animal wastes, and soil and rocks	
8.	What are underwater mountains that rise from	acamounta	
	the abyssal plain called? These land formations can become islands.	seamounts	
9.	About how much of the Earth's surface is		
0.	covered with water?	70%	
5.6 b) physical characteristics: Waves, tides, and currents & saltiness of seawater			
10.	What are the 3 motions of the ocean?	Waves, tides, and currents.	
		It is created by wind blowing over a body of water's	
11	Describe a wave.	surface.	
11.	DOSCING A WAYE.	The size of the waves depends on the speed of the wind	
		and how far the wave can travel unobstructed.	
12.	Describe tides.	The rising and falling water levels of oceans, bays, gulfs,	
		and part of many rivers caused by the forces of gravity	
		between the Earth, the moon, and the sun.	
		There are 2 lows and 2 highs in a 24 hour period. A body of water moving very quickly in a definite direction	
13.	Describe a current.	through surrounding waters that are moving more slowly.	
		They are caused by wind patterns and differences in water	
		density, temperature, and salinity.	
		They move in a circular motion.	
		They flows like a river through the ocean.	
		A powerful, warm, and quick moving ocean current flowing	
11	What is the Gulf Stream?	from the Gulf of Mexico at the tip of Florida along the	
14.	viliat is the Guil Stream!	coastline of the United States and then eastward across	
		the North Atlantic.	

45 Evalois what have an an the double of the	The pressure increase. The amount of light decreases.		
15. Explain what happens as the depth of the ocean increases.	The amount of light decreases. The term profile decreases.		
ocean increases.	The temperature decreases. These factors effect plant and animal life.		
16 What is calinity?	 These factors affect plant and animal life. A measurement that describes the saltiness of the ocean. 		
16. What is salinity? 17. What is density?	The amount of mass packed into a contained space.		
18. What is depth	A measure of how deep a body of water is.		
19. Why does salinity vary in different parts of the	Rate of evaporation		
ocean?	Amount of runoff water from the land		
5.6c) ecological characteristics:	Amount of fulloff water from the land		
5.00) ecological characteristics.	Microscopic organisms that live in the water.		
20. What is plankton?	Plankton may be animal-like or plant-like.		
	Animal-like plankton is called zooplankton.		
21. What is the difference between phytoplankton	Plant-like plankton is called phytoplankton. They		
and zooplankton?	carry out most of the photosynthesis on Earth and		
	provide much of the world's oxygen.		
22. State 3 factors that can affect where an			
organism lives.	Depth, salinity, & temperature		
The Upper Levels of the Ocean:			
	Location: Along the shore		
23. Describe the Tidal Zone.	Organisms: Mussels, crabs, and clams		
23. Describe the Huai Zone.	They must survive low tides that can leave them exposed		
	to the sun and predators		
	Location: From the surface to 200m		
	Organisms: Plants, algae, fish, & coral		
24. Describe the Sunlight Zone.	The sun's rays and nutrients in the water make this the		
	area in the ocean where most of the ocean's fish live.		
The Middle Levels of the Ocean:			
Location: From 200m to 1,000m			
	Organisms: Creatures like jellyfish that can glow in the		
25. Describe the Twilight Zone.	dark		
23. Describe the Twinght 20he.	There is not much sunlight here. Many animals swim up to		
	, ,		
	the sunlight zone to eat after dark.		
	Location: From 1,000m to 4,000m		
26. Describe the Midnight Zone.	Organisms: Here, animals have adapted to the crushing		
	water pressure. Sperm whales can dive this deep in		
	search of food. The waters are pitch dark.		
The Bottom Levels of the Ocean:			
	Location: From 4,000m to 6,000m		
27. Describe the Abyssal Zone.	Organisms : There are very few signs of life, but tiny squid		
27. Describe the Abyssal Zone.	an other creatures live here		
	Water temperatures are near zero degrees Celsius.		
	Location: The very deepest parts of the ocean		
00 D 11 41 T	Organisms: Not much life here- The food chain here does		
28. Describe the Trenches.	not depend on sunlight and plats, but bacteria that get their		
	energy from chemicals		
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