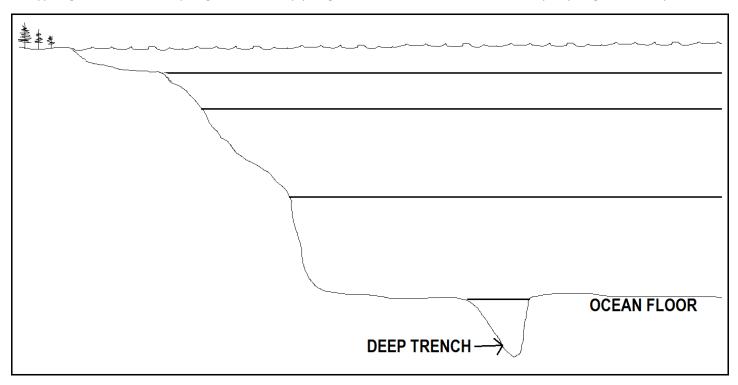
LIFE	IN	THE	OCEANS	ONLINE	ASSIGNMENT	/57
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NAME	HR

Do a google search to find out what the different ocean environments are. Label the picture below. Be sure to label the bathypelagic zone, the mesopelagic zone, the epipelagic zone, the hadal zone, and the abyssopelagic zone. (5 points)



FILL IN THE CHART BELOW: (25 pts)

OCEANIC ZONE NAME	CREATURES FOUND HERE? (NAME AT LEAST 3)	DISTANCE DOWN?	SUNLIGHT PENETRATES?
			Yes or no?
Epipelagic			
Mesopelagic			
Bathypelagic			
Abyssopelagic			
hadalpelagic			

Go to the following movie link and answer the questions below. The questions follow the movie and are in order.

https://www.nationalgeographic.org/media/deep-sea-hydrothermal-vents/

1.	What is the name of the submersible they used?		
2.	What are the white tubes with red on top called?		
3.	Does sunlight reach the bottom of the ocean?		
4.	The chemicals by the plumes are to humans		
5.	The process of converting chemicals to energy is known as		
6.	What are the structures called that they found?		
7.	7. First the water seeps down into cracks and gets superheated by		
8.	What does it pick up as it boils up and rises?		
9.	What is the name of a hydrothermal vent that emits water like a thick black cloud? _		
10.	The hydrothermal vents that contain barium, calcium and silicon are called?		

11. 9	Some hydrothermal vents give off bubbles o	of	·
	The water pressure is very		
	The temperature can get up to		
14. \	Why doesn't it boil?		
-	estions 15-22 first. Watch the videos. The $\mathfrak c$ the videos	questions are NOT	in order, but should be easy to answer AFTER
https://v	www.youtube.com/watch?v=ER2KsU2I4_Y		
https://v	www.youtube.com/watch?v=gT5_z3CKXBo		
15. l	Does sunlight reach here?		
16. \	What is the bottom of the food chain in the	bottom of the ocea	an?
17. I	How do bacteria make food for themselves i	if there is no sunlig	ht energy to help them?
-			
	What role do tubeworms play in the ecosyst	,	
		•	er, producer, herbivore, carnivore, omnivore,
(decomposer?)		
21. [Name at least one consumer in this ecosyste	em	
22. [Draw a food chain of at least 3 organisms to	show how energy	flows in this ecosystem (1pt)
		⇒□	
interests	•	tails about the orga	or "benthic organisms" to find an organism that anism. Make sure that the organism is not extinoshop. If you are not sure, just ask me.
1. \	What is the name of your creature?		
2. I	How far down does it live?		
3. I	How does your creature get energy?		
4. \	What niche does this creature have in the ed	cosystem?	
5. \	What special traits or adaptations does this	creature have?	