Name	Date	Class
Dive and Discov	ver Expedition 15: "Dark	t Life at Deep-sea Vents"
Go to the site, www.divedisand then click on "Learn ab interviews together, and the	oout our mission." We will	
1) Hydrothermal vents are volcanic hotspots on the o		that form near
2) How hot can hydrothern	nal fluids get? (include uni	its)
		·
3) Where is this expedition		site and country nearby):
Manzanillo,	·	, 600 miles south of
4) Define "mid-ocean ridge	2":	
5) What two types of organ		amining?
6) Microbes are at the <b>bas</b> (circl	<b>se</b> or <b>top</b> of the food chain e one)	n (as plants are on land).
		he deep sea, there can be no ely on a process called bacteria use
instead of sunlight, as an e		
8) What is the name of the	ROV researchers will be u	sing?

	n more than a mile below the surface can be a Why?
scientists. It can reach a same pressure you'd fe big toe. Since the micro	at the seafloor here is also a problem for almost 3,600 pounds (1,600 kilograms) per square inch—the eel if awas standing on yobes evolved to live in this high-pressure environment, bringing affect their, and could even
gases that the microbes seawater, where the or	also be affected by the change in pressure. In the deep oceans need to survive are in the ganisms can use them to create Under the surface, those gases would bubble out of the water and
	oblems, the scientists will use ric means "same pressure."
OBJECTIVES	
V	will <i>Jason</i> be working? Using special underwat , it will send the IGTs and samples back to the Vhile <i>Jason</i> continues to collect, scien on the samples already brought
Once the IGTs are on be (or bacteria and archae	oard, the scientists will try to grow the time ever, they'll ments on living microbes in an environment that's similar to t

Vhy will researchers be	looking at DNA, RNA, an	d proteins of the