The Search for Life on Other Planets

Name:		Date:	Period:	
1.	To live, I need	and		
	and	·		
	ALL organisms need			
	and	and	·	
2.	I get my nutrients from		Plants	
	get their nutrients from			
	Plants get their energy to g	row from the	·	
3.	Theradiation from the Sun and			
4.	Extremophiles can live in e_	envir	onments. They can live where	
	most organisms	Some example:	s of extreme conditions	
	are:			
5	What is an extremonhile?			
J.	What is an extremophile?			
	National Park.			
	What are thermophiles?			
		•	: 	
	that life at different tempo	eratures, up to	_•C or•F.	
6.	Organisms <u>can / cannot</u> liv Explain	e in very salty seas, like in	the Great Salt Lake.	

7.	Organisms can / cannot live in water that is more acidic than vinegar, like the Rio Tinto in Spain. Explain			
8.	Why are we interested in knowing the extreme conditions in which life exists on Earth?			
	On what planets/satellites might conditions be - or have been - right for life? Circle			
	them! Earth? Mars? Venus? Pluto? Europa?			
9.	What is one thing that ALL life, as we know it, needs?			
	Which planets or moons in our solar system have - or had - liquid water at their			
	surface?			
	A) Earth only B) Earth and Mars C) Earth and Venus D) Earth, Mars, and Jupiter's moon Europa E) Pluto only			
10.	What planets and/or satellites in our solar system may have - or once had - life?			
	A) Earth only B) Earth and Mars C) Earth and Venus D) Earth, Mars, and Jupiter's moon Europa E) Pluto only			
	Which had evidence of water in the past? Which have evidence of water now?			