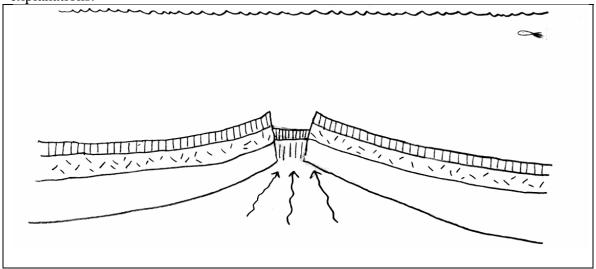
1. On the sketch below of a divergent oceanic margin, label all the features and explain the important processes that formed that feature. Use complete sentences in your explanations.



Instructors key: Sea water is drawn down Díkes injected at depth, heated, and rises Oceanic crust created by basaltic below rift in hydrothermal vents lava flows on surface and íntrusions at depth Plates move apart (diverge) Mantle lithosphere Lithosphere thickens Asthenosphere Magma forms as asthenosphere as rocks cool and rises to fill space as plates spread become stronger

General Rubric (12 points possible)

General Rabile (12 points possible)			
Content	Essential concepts all	Most concepts and	Essential concepts left
	shown; important	relationships shown	out; relationships not
	relationships	correctly; some	correctly portrayed;
	correctly portrayed;	aspects left out; minor	major conceptual
	no conceptual errors	conceptual errors or	errors or
	or evidence of	misunderstandings	misunderstandings
	misunderstanding	(9, 8, or 7 pts)	(6, 4, 2, or 0 points)
	(10 pts)		
	Sketch detailed and	Sketch lacks some	Sketch lacks detail or
Detail and	clearly drawn and	detail or not clearly	is illegible; difficult to
Presentation	labeled	drawn or labeled	interpret
	(2 pts)	(1 pts)	(0 pts)