	GEOLOGY 12	REVAEW	CHAPTER 3	NAME	
Co	emplete the sentences below with	th the correct terms or pl	rascs.		
30					
31	. The majority of magmas are kilometers.	e formed in the	, at dcpt	hs between about 50-250	
32	. If pressure is lessened on ro	cks at great temperatures	the rocks may begin to		
33.	. Dissolved water and various	gases found in magmas a	are called		
34.	The effect of increased volat	-			
35.	The melting temperature of temperatures of the individu		always	than the melting	
36.	Phase diagrams plot tempera				
37.				tive elements, and	
		caused by plate motions.			
38.	According to Bowen's reaction		to crystallize from a silicate	magma will be relatively	
39.	The continuous reaction series		minerals		
40.	The discontinuous reaction se	eries applies to the	miner	als.	
41.	A magma that is rich in mag	nesium and iron and rela	tively poor in silica is called	a	
42	magma  In the process of	early fo	ormed crystals may settle ou	t of the magma, thus	
	changing the composition of t		ormed orystals may serve se	, or the magnet, the	
43.	The process by which a magn				
44.	In magma mixing, composition.	magma	as combine to produce a hyb	rid melt intermediate in	
45.		_ basalt would contain b	ubbles or holes where gases v	were trapped as the magma	
	cooled.				
46.	In a porphyritic rock, a finer				
47.	A plutonic rock which consist	s almost completely of of	livine and pyroxene would be	described as	
48.	The most common volcanic re			<del></del> -	
49/		10 examino	the minerals in rocks with a	special polarized-light	
50.	Magmas with high	have g	reat difficulty flowing throug	th narrow cracks or other	
	openings in country rock.				
51.	If the contacts of a pluton are	parallel to the structure	of the country rock, the plut	on is	
52	A discordant, tabular plutonic	body is known as a			
	Chilled margins can be recogn			_ than the interior of the	
	intrusion.				
54.	In partial melting of rocks in is, they will be richer in	the upper mantle, the fire	st minerals to melt will be th	e constituents of granite; that	
55		of continental crust is an	alternative source for the gra	unitic magmas of batholiths.	
	Fill-in-the-Chart				
	Fill in the chart below to arra gabbro, basalt, andesite, gran	inge these igneous rock to	ypes by depth of crystallizati	on and composition: rhyolite,	
	Enocial and an analysis and an				-
		Falsic	Composition	Mafic	
			57.	58.	-
	Plutonic	56. 59.	60.	61.	
	Volcanic				
	Double-Matching				
	March the engenerate descrip	tive terms from the two	columns on the right to the t	ypes of intrusive bodies listed on	
	the left. Be sure to choose you done for you as an example of	r first answer from colun	in I and your second answer	from column 2. The first one is	
	Types of intrusions		lumn I	Column 2	
			cordant	a. cylindrical	