	CLOCOUT 12 WYEN CHIM TER 3				
Complete the sentences below with the correct terms or phrases.					
30.	Rocks which crystallize from magmas are called				
31.	The majority of magmas are formed in the por warth, at depths between about 50-250 kilometers.				
32.	If pressure is lessened on rocks at great temperatures, the rocks may begin to				
33.	Dissolved water and various gases found in magmas are called				
34.	The effect of increased volatiles in a magma is to the melting temperatures.				
35.	The melting temperature of a mixture of minerals is always than the melting temperatures of the individual minerals.				
36.	Phase diagrams plot temperature against composition .				
37.	Local sources of heat within the crust or mantle include concentrations of radioactive elements, and caused by plate motions.				
38.	According to Bowen's reaction series, the first mineral to crystallize from a silicate magma will be relatively in silica.				
39.	The continuous reaction series applies to the plagioclase minerals.				
40.	The discontinuous reaction series applies to the terrange minerals.				
41.	A magma that is rich in magnesium and iron and relatively poor in silica is called a				
42.	In the process of fractional crystallization formed crystals may settle out of the magma, thus changing the composition of the remaining melt.				
43.	The process by which a magma incorporates the rock around it is called _assimilation .				
44.	In magma mixing, magmas combine to produce a hybrid melt intermediate in composition. (rave)				
45.	A VESCULOR basalt would contain bubbles or holes where gases were trapped as the magma cooled.				
46.	In a porphyritic rock, a finer groundmass surrounds the larger-sized DNMOCMOTS.				
47. A plutonic rock which consists almost completely of olivine and pyroxene would be described as					
48.	The most common volcanic rock, which makes up the seafloor, is basalt				
<b>4</b> 9.	Geologists use thin sections to examine the minerals in rocks with a special polarized-light microscope. (1945)				
50.	Magmas with high have great difficulty flowing through 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 pluton is				
52.	A discordant, tabular plutonic body is known as aUC				
53.	Chilled margins can be recognized because they will be USS Coursely Clustell than the interior of the intrusion.				
54.	In partial melting of rocks in the upper mantle, the first minerals to melt will be the constituents of granite; that is, they will be richer in Silica (quantz + felopar)				
55.	of continental crust is an alternative source for the granitic magmas of batholiths.				

## Fill-in-the-Chart

Fill in the chart below to arrange these igneous rock types by depth of crystallization and composition: rhyolite, gabbro, basalt, andesite, granite, and diorite.

			1
		Composition	
	Felsic	Intermediate	Mafic
Plutonic	56. ganite	57. dio( ite	58. galobro
Volcanic	59. Physlite	60. andesite	61. basalt

## Double-Matching

Match the appropriate descriptive terms from the *two* columns on the right to the types of intrusive bodies listed on the left. Be sure to choose your first answer from column 1 and your second answer from column 2. The first one is done for you as an example of the procedure.

	- Types of intrusions	Column 1	Column 2
62.	<u>a</u> 63. <u>b</u> sill	a. concordant	a. cylindrical
	△ 65. ∠ lopolith	b. discordant	b. tabular
66.	67. Claccolith		c. equidimensional
<b>68</b> .	69. b dike		,
70.	D 71. □ pipe		
72.	73. C batholith		