# **Earth Science 11**

# Unit 5 Worksheet

Part 1.	Modern geology is said to begin in	with Scots geologist	
2.	He is famous for his doctrine of	_·	
3.	In your own words, explain Hutton's doctrine.		
Part	2.		
4.	Describe the three types of rocks.		
Part	3.		
5.	Hot magma which pours out of the crust in a volca	nnic eruption is called	
6.	Igneous rock which doesn't reach the surface, but instead is trapped in cracks between other rock is called Another term for this rock is		
7.	Volcanic rocks are similar to ro	ocks, but they lack distinct	
Part			
8.	Magma is a hot of	·	
9.	There are two types of magma, differing in	composition.	
10.	One of the most frequently occurring type of magn	na is called because of the	

	high percentage of	It is	moving, and forms
11.	The second type of	f frequently occurring lava is because of the high percentage of	moving, is called , and cools to
		coloured rock.	
Part	5		
12.		main sources of sedimentary rock.	
Part			
13.	Describe the proce	ss of clastic rock formation.	
Part	7		
14.		ss of sediment sorting.	
	_ total or mo proce		

Part 8.			
15.	Describe the differences between conglomerate, sandstone, and shale.		
Part 9			
16.	Describe the process of chemical sedimentation.		
Part 1	0		
17.	Describe how organic sedimentary rocks are formed.		

<b>Part 1</b> 18.	1. What is stratification?
19.	The layers in stratified rock are separated by
Part 1 20.	What are fossils?
Part 1 22.	4.  Rock which is neither igneous nor sedimentary is called  Define <i>metamorphism</i> .

#### Part 15.

24. Describe what *dynamic metamorphism* is.

## Part 16.

25. Describe thermal metamorphism.

## Part 17.

26. In the space below, draw and label the rock cycle.