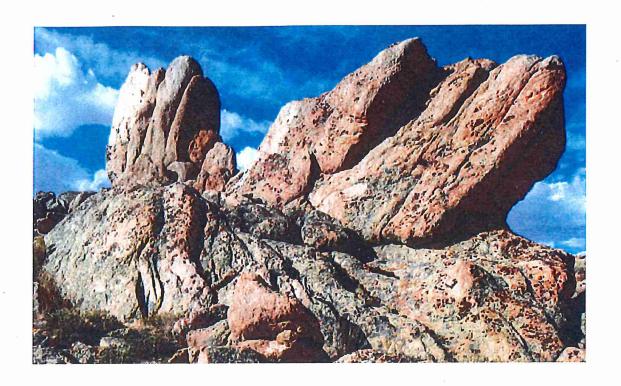
Rock Cycle Year 8 (M) Test and Practical



Name:		
Teacher:		
Practical	Test	Total
24	21	45

Year 8 Rocks Assessment

Part A: Multiple Choice

(5 marks)

- 1. Rocks that form from cooling magma underground are called:
 - a) extrusive metamorphic rocks
 - b) intrusive metamorphic rocks
 - c) extrusive igneous rocks
 - d) intrusive igneous rocks
- Identify the property of a diamond that allows it to scratch glass or drill through hard rock.
 - a) Lustre
 - b) Streak
 - c) Hardness
 - d) Transparency
- 3. Which of the following rocks are formed from the remains of living things?
 - a) Basalt and Coal
 - b) Coal and Limestone
 - c) Coal and Slate
 - d) Slate and Granite
- 4. All rocks are made up of a number of basic materials called:
 - a) fossils
 - b) ores
 - c) minerals
 - d) crystals

Use the following chart to answer the following question: ·5.

Mohs'	Rank Position	Mineral
1	softest	talc
2		gypsum
3		calcite
4		fluorite
5		apatite
6		feldspar
7		quartz
8		topaz
9		corundum
10	hardest	diamond

Which of the following is correct?

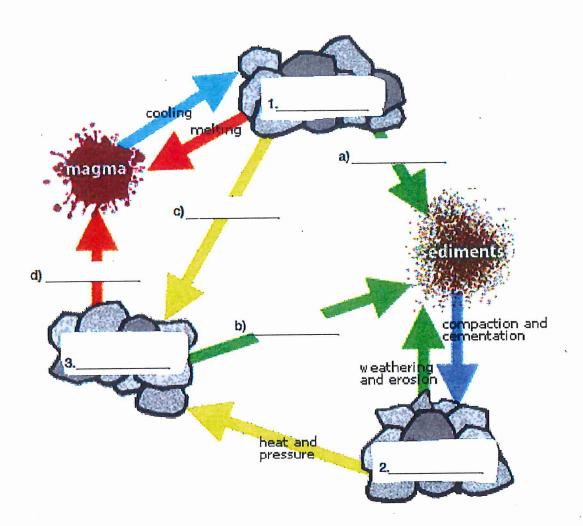
- a) Calcite will scratch diamondb) Feldspar will scratch quartzc) Quartz will scratch calcite

- d) Talc will scratch all minerals

A trip through the rock cycle takes millions of years.

Using the Rock Cycle diagram below:

- 1. Label the three rock types, using the spaces provided (boxes 1-3). (3 marks)
- 2. Label the four processes which help to create each of the rock types, using the spaces provided (lines a d). (4 marks)



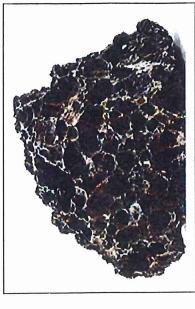
(3 marks)

[9 marks]

1. Label each of the 3 Rock samples shown below (Igneous, Sedimentary or Metamorphic):







2. Accompany your choice with **two** reasons why you think it belongs in that category (what features does it have that helps you classify it).

Part D: Rock Cycle investigation

Hand lens Wooden test tube peg Safety glasses 1 sugar cube Foil (10cm square) Candle Materials:

White paper (10 cm square)

Procedure, Observations and Conclusions

Observations - Describe what you see	e Marks	Conclusion	Marks
		Relate your observations to the Rock Cycle	
	75 mark	What rock type does this represent?	
	eacu	Explain why	
How close together are the grains?			
What is the overall shape of the sample?			
What state of matter is the sample?			

How close together are the	% mark	What process in the Rock Cycle does this crushing represent?	e does this	~
grains in the small amount of crushed material?	each	Explain why:		7
Are the grains				
cemented together?				
What process in the Rock Cycle do	cle does the <u>movements</u>	es the <u>movement</u> from place to place,		_
			shurters	
Explain why and how:				2
			www.shuttertock.com - 38723950	
What process in the Rock Cycle does this represent?	cle does this represe	11?		_
			·	
Explain how this comes about in th	it in the Rock Cycle			7

- 0		~ ~	~	—	0,
What process in the Rock Cycle does this represent? Explain how this comes about in the Rock Cycle.		ıt? rcle?	did in step 2, and what we did in step 6?		
mark each		represen Rock Cy	tep 2, an	rocks?	2
What is the overall shape of the sample?	What state of matter is the sample? (solid, liquid, gas)	What process in the Rock Cycle does this represent? What is produced from this process in the Rock Cycle?	What do you notice about what we did in st	What does this say about what happens to rocks?	TOTAL: 24
5. Set the foil bowl aside and let the sugar cool and harden. Write down what your observations after a few minutes.		6.Break the hardened sugar into pieces by crumpling the cooled foil a little. Write down what your observations	are as the sugar begins to break up.		

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