

Igneous Rocks Assessment Handout

Student Name:	Class:
Student ID:	Date:

Assessment Details

Duration: 60 minutes	Total Marks: 100
Topics Covered:	Igneous Rock FormationTypes of Igneous RocksCharacteristics of Igneous RocksClassification of Igneous Rocks

Instructions to Students:

- 1. Read all questions carefully before attempting.
- 2. Show all working out marks are awarded for method.
- 3. Calculator use is permitted except where stated otherwise.
- 4. Write your answers in the spaces provided.
- 5. If you need more space, use the additional pages at the end.
- 6. Time management is crucial allocate approximately 1 minute per mark.

Section A: Multiple Choice [20 marks]

Question 1	[2 marks
What is the primary process by which ign	eous rocks are formed?
A) Cooling and solidification of magma	B) Weathering and erosion of existing rocks
C) Plate tectonic movement	D) Sedimentation and lithification
Question 2	[2 marks
Which type of igneous rock is characteriz	red by a coarse-grained texture?
A) Basalt	B) Granite
C) Obsidian	D) Pumice
Question 3	[2 marks
Question 3 What is the main difference between intru A) Texture	
What is the main difference between intru	usive and extrusive igneous rocks?
What is the main difference between intro A) Texture C) Color	usive and extrusive igneous rocks? B) Composition
What is the main difference between intro A) Texture C) Color Question 4	B) Composition D) Formation process [2 marks
What is the main difference between intru A) Texture	B) Composition D) Formation process [2 marks

What is the term for the study of the formation and classification of rocks?

A) Petrology	B) Geology
C) Mineralogy	D) Paleontology

Section B: Short Answer Questions [40 marks]

Question 6	[8 marks
Describe the differences between intrusive and extrusive igneous rocks. Be sure to inceach type.	lude examples of
Question 7	[8 marks
Vhat are the characteristics of granite? How does it form?	•
Question 8	[8 marks
Describe the process of cooling and solidification of magma. How does this process a and composition of the resulting igneous rock?	affect the texture
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	[O moule
Question 9	[8 marks

Question 10	[8 marks]
Describe the characteristics of basalt. How does it form?	

Section C: Essay Question [40 marks]

Question 11	[40 marks]
Describe the formation processes of igneous rocks and explain how they relate to properties of different types of igneous rocks. Be sure to include examples of integration igneous rocks and discuss their differences in terms of texture, composition, and	rusive and extrusive

Additional Pages	

