

ROCKS AND MINERALS

1. 1991 Q 3b-d

b) Describe three ways in which sedimentary rocks are formed.

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c) Explain how rocks become metamorphic

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d) State four ways in which the exploitation of rock contributes to the economy of Kenya.

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2. 1996 Q 5

a) Give three examples of mechanically formed sedimentary rocks (3 marks)

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b) State two changes that occur in sedimentary rocks when they are subjected to intense heat and pressure. (2 marks)

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3. 1997 Q 9

a) Give three examples of chemically formed sedimentary rocks. (3 marks)

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b) (i) State three conditions necessary for the growth of coral. (3 marks)

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(ii) Describe how coral racks are formed. (4 marks)

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c) Explain four ways in which rocks contribute to the economy of Kenya (8 marks)

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4. 2000 Q 7a

(a) Differentiate between plutonic rocks and volcanic rocks

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5. 2001 Q 7a-c

(a) (i) What is a rock?

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(ii) Describe three ways through which sedimentary rocks are formed

- Mechanically formed

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- Organically formed

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- Chemically formed

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b) Describe two process through which sedimentary rocks changer into metamorphic rocks

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c) Give an example of each of the following types of igneous rocks

(i) Plutonic rocks

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(ii) Hypabyssal rocks

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(iii) Volcanic rocks

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6. 2003 Q 5

a) Name the type of rocks which results from the metamorphism of:

(i) Granite

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(ii) Clay

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b) Give two reasons why sedimentary rocks are widespread in the coastal plain of Kenya.

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7. 2005 Q 3

(a) State two characteristics of sedimentary rocks (2 marks)

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(b) Give two examples of chemically formed sedimentary rocks (2 marks)

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8. 2007 Q 7a-c

(a) Describe the following characteristics of minerals

(i) Colour (2 marks)

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(ii) Cleavage (2 marks)

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(iii) Hardness (2 marks)

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(b) (i) Give two types of igneous rocks (2 marks)

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(ii) Explain three conditions necessary from the growth of coral polyps (6 marks)

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(c) State four uses of rocks (4 marks)

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9. 2008 Q 3

a) Give two examples of non-metallic minerals (2 marks)

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b) Why is industrial diamond used in shaping hard stones and metals? (1 mark)

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10. 2009 Q 1.

(a) Differentiate between the processes of the formation of plutonic rocks and volcanic rocks (2 marks)

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(b) For each of the following sedimentary rocks name the resultant rock that forms after metamorphism

(i) Sandstone (1 mark)

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(ii) Limestone (1 mark)

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(iii) Clay (1 mark)

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11. 2010 Q 4

(a) What is a rock? (2 marks)

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(b) Give **three** characteristics of sedimentary rocks. (3 marks)

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12. 2010 Q 6c (GEO PP 2)

c) Explain how the following factors influence the occurrence of minerals:

i) Evaporation; (2 marks)

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ii) Vulcanicity; (2 marks)

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iii) Metamorphism (2 marks)

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13. 2012 Q7 P2

(a) (i) What is a mineral? (2 marks)

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(ii) Describe the following characteristics of minerals:

lustre; (2 marks)

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colour; (2 marks)

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Density. (2 marks)

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(b) (i) Name **two** examples of extrusive igneous rocks, (2 marks)

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(ii) Describe **three** ways in which sedimentary rocks are formed. (9 marks)

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(c) Explain the significance of rocks to the economy of Kenya under the following subheadings:

(i) Tourism; (2 marks)

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(ii) Energy; (2 marks)

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(iii) Water. (2 marks)

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