

Name _____ Date _____

Geography Practice Test 1 - Term 4

Grade 9

Marked 30

- Answer all questions
- Write your responses clearly and carefully
- Write your answers in the boxes that provided

Section A

5

Natural resources are vital for the well-being of our planet and its inhabitants. These resources can be broadly categorised into renewable and non-renewable resources. Renewable resources, such as sunlight, wind, and water, are continuously replenished by natural processes. In contrast, non-renewable resources, like fossil fuels and minerals, are finite and take millions of years to form. The overexploitation and misuse of both types of resources can have catastrophic and irreversible long-lasting the future and supporting our examples of activities that can have severe environmental consequences.



1. What are renewable resources? Provide an example. (2)
2. Give two examples of a non-renewable resource. (2)
3. Explain a consequence of resource. (2)

Grade 9 Geography Practice Test 1 - Term 4

4. Give two examples of a resource that has been exploited into activities. (2)
5. Why is it important to investigate natural resources study? (2)

Section B

10

6. Explain the difference between renewable and non-renewable resources, and give two examples of each. (4)
7. Discuss two potential benefits of using renewable resources for energy production. (2)
8. Describe the process of recycling and its impact on resources. (2)
9. How does recycling affect waste reduction? Give two examples of waste that has been negatively impacted. (2)

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Section C

5

1. Analyse the potential long-term consequences of relying heavily on non-renewable resources for energy production. (2)
2. Evaluate the economic and environmental advantages of sustainable fishing practices compared to overfishing. (2)
3. Critically discuss three strategies that governments can implement to promote responsible and balanced use of natural resources. (3)



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web determinants all mathematical truths are relative and conditional c p steinmetz 4 1 introduction in the previous chapter we have studied about matrices and algebra of matrices we have also learnt that a system of algebraic equations can be expressed in the form of matrices this means a system of linear equations like $\begin{cases} a_1x + b_1y + c_1 = a_2 \\ a_2x + b_2y + c_2 = a_3 \end{cases}$

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web evaluate the determinant of a 2×2 matrix if a matrix has the same number of rows and columns we call it a square matrix each square matrix has a real number associated with it called its determinant to find the determinant of the square matrix $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ we first write it as $ad - bc$

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web so there are two quantities which can be found in a matrix minors and cofactors minors exist for each element of the

matrix and are defined as the determinant of the matrix you get when you ignore the row and column of the element in question for example if my matrix is as follows

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web matrix determinants are easy to define and hard to understand so let's start with defining them and introducing related notation in other videos we will learn what they mean and how to use them