

CURRICULUM BASED TESTS (Practice Questions)



Question Type:
Short Constructed Responses

This item type requires you to generate a short response to the questions posed.

- 1. Mr. Hall purchased a plot of woodland where he intended to plant cash crops. He was advised by his friends to cut the trees and then burn the land. Give Mr. Hall five reasons why burning his land will have a negative effect on the environment.

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Question Type:
Multiple Selected Responses

You have four possible answers to choose from and one or more options can be selected. You will get full credit only if ALL of the correct answers are selected.

- 2. Which of the following three human activities contribute to climate change on Earth?
 - A. burning of forests
 - B. burning of fuel
 - C. use of aerosol cans
 - D. overuse of windmill

- 3. Which of the following three choices are sources of air pollution?
 - A. automobile exhaust
 - B. windmill
 - C. burning of firewood
 - D. power plant

Question Type:
Multiple Selected Responses

You have four possible answers to choose from and one or more options can be selected. You will get full credit only if ALL of the correct answers are selected.

- 4. Two materials through which light can pass through are said to be _____ and _____.
 - A. Opaque
 - B. Translucent
 - C. Transparent
 - D. Black

Question Type:
Multiple Selected Responses

You have four possible answers to choose from and one or more options can be selected. You will get full credit only if ALL of the correct answers are selected.

- 5. In which three materials do sound travel through?
 - A. Wood
 - B. Water
 - C. Air
 - D. Vacuum



Question Type:
Multiple Selected Responses

You have four possible answers to choose from and one or more options can be selected. You will get full credit only if ALL of the correct answers are selected.

6. The picture below shows a worker mopping a floor in a room in which all of the windows and doors are closed. She is sneezing while she mops the floor. What could be two main causes for her sneezing?
- A. There is poor ventilation in the



room.

- B. There is a tightly closed bottle of bleach on the floor.
- C. She was not wearing any protective clothing.
- D. There is no furniture in the room.

Question Type:
Multiple Selected Responses

You have four possible answers to choose from and one or more options can be selected. You will get full credit only if ALL of the correct answers are selected.

7. Which two organs are responsible for the excretion of waste materials from our body?
- A. Lungs
B. Large intestine
C. Kidney
D. Mouth

Question Type:
Multiple Selected Responses

You have four possible answers to choose from and one or more options can be selected. You will get full credit only if ALL of the correct answers are selected.

8. Which of the following two statements are true?
- A. Bottled water can only be obtained from sea water by evaporation.
- B. After filtration, the material remaining is always impure.
- C. Sand is separated from water by filtration.
- D. Pure sugar can be separated from a solution by decanting.

Question Type:
Single Selected Response

The following items have four options each. Select ONE correct answer for each question.

Use the story below to answer question .

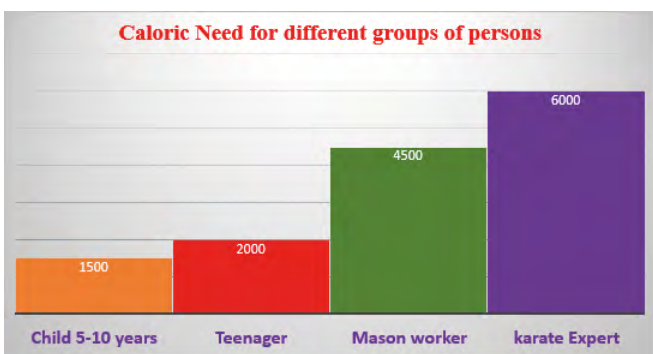
Samuel's mother wanted water to wash a rag. The only water available is muddy water from a river nearby. She decided to extract pure water from the muddy water but did not know how to do so. She related her problem to Samuel. At that moment he remembered his class on separating techniques.

9. What method did Samuel tell his mother to use?
- A. Magnetic separation
 - B. Filtration
 - C. Evaporation
 - D. Sieving

Question Type:
Single Selected Response

This item type has four options from which students are expected to select **ONE** correct answer to the question.

Use the graph below to answer question.



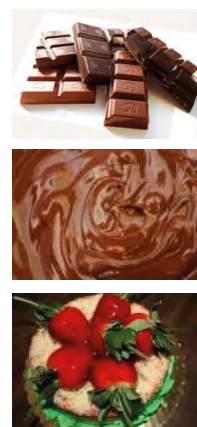
10. Select the groups who have a combined requirement of 6,500 calories.
- A. Child 5-10 years and Mason Worker
 - B. Teenager and Karate expert
 - C. Mason Worker and Teenager
 - D. Karate Expert and Child 5-10 years

Question Type: *Order Match*

This item type asks you to fill in some blanks with some choices. All blanks must be filled in, but some of the choices may not be used.

11. Mary's mother made a chocolate cake from chocolate bars and other ingredients. She first melted

the chocolate bars into liquid form and then mixed all the ingredients together. When the ingredients were all mixed, she baked the mixture into a delicious chocolate cake.



Identify the changes as irreversible and reversible changes that took place in the cake making process and arrange them correctly in the spaces provided. One of these changes may be listed more than once.

Reversible		Irreversible	
[]	[]	[]	[]
<i>Chocolate bars</i>	<i>Melted Chocolate</i>	<i>Cake Mixture</i>	<i>Baked Cake</i>

Question Type:
Short Constructed Response

This item type requires you to generate a short response to the questions posed.

12. Susan carried out a survey in her community to find out which major human activities are responsible for soil erosion. She obtained the results shown in the table below from her experiment.

Human Activities	Percentage of Occurrences in Her Community
Deforestation	30%
Overgrazing	25%
Burning of coal and garbage	35%
Overcultivation on hillsides	10%

A. Draw a pie chart to represent Susan's results.

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B. Which human activities cause soil erosion?

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C. What is the role of the roots in helping to fight soil erosion?

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D. There is a herd of cows living in Port Antonio, Portland. The cows have thrived for several years. These cows had a successful breeding season, however, the herd of cows may soon decrease. What will most likely cause the reduction in the number of cows in this area?

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E. List three different ways in which people in Susan's community can prevent soil erosion?

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ANSWERS AND EXPLANATIONS



1. This method affects our environment in several ways such as:
- Deforestation
 - Loss of habitat and species.
 - An increase in air pollution and global warming.
 - An increase in accident fires, which include damages to properties and loss of lives.
 - Soil erosion and landslides. The removal of vegetation by fire cause more run-off than infiltration after a heavy rain fall, which further leads to land slippage.
 - Soil is washed away during heavy rains and blows away during drought.
 - Water contamination.
 - Production of poisonous substances known for damaging the reproductive system and growth.

2. A, B & C

3. A, C & D

4. B & C

5. A, B & C

6. A & C

7. A & C

8. B & C

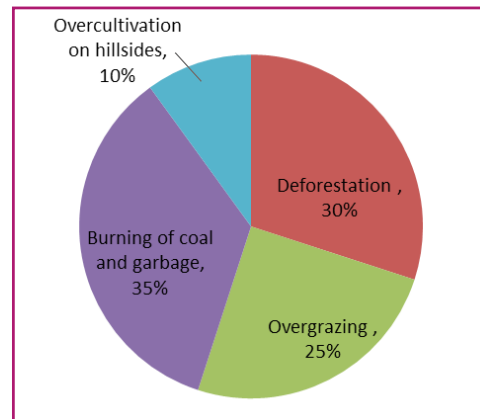
9. B

10. C

11.

Chocolate bars	Melted Chocolate	Cake Mixture	Baked Cake
Rever-sible	Irrever-sible	Irrever-sible	

12. A. Pie chart showing major human activities that are responsible for soil erosion in Susan's Community.



- B. Which human activities cause soil erosion? All of the following:
- Deforestation
 - Overgrazing
 - Burning of coal and garbage
 - Overcultivation on hillsides
- C. What is the role of the roots in helping to fight soil erosion? The roots of plants hold the soil particles and keep them clumped together. This effect makes it harder for water to wash the soil away.
- D. There may be a decrease in the number of cows in the area due to overgrazing. This would lead to slow growth of grass and soil erosion. This could further lead to a desert-like plot of land.
- E. Three different ways in which people in Susan's community can prevent soil erosion include any of the following:
- Reforestation
 - Crop and cattle rotation
 - Proper disposal of garbage
 - Reduction or termination of the burning coal.
 - Terrace cultivation, contour farming and strip cropping