

JUNIOR SECONDARY SCHOOL ASSESSMENT
MONITORING LEARNER'S PROGRESS
GRADE 8 – 004
AGRICULTURE

Name _____

Learner's Number

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Gender:

Boy

☐

Girl

☐

School Name _____

1. Joan's teacher tasked her with identifying the causes of soil pollution and ways to prevent it. Which of the following options correctly lists four methods for controlling soil pollution?
A. Industrial waste discharge, pesticide use, deforestation, and mining
B. Crop rotation, reduced pesticide use, proper waste disposal, and reforestation
C. Acid rain, vehicle emissions, overgrazing, and construction activities
D. Oil spills, chemical leaks, nuclear waste, and plastic pollution
2. Trees play a crucial role in environmental conservation and agriculture. Which of the following options correctly lists four ways trees contribute to the conservation of the environment?
A. Providing timber, fuel wood, fruits, and medicine
B. Preventing soil erosion, regulating water cycles, providing habitat for wildlife, and absorbing carbon dioxide
C. Enhancing crop yields, providing shade for livestock, improving soil fertility, and acting as windbreaks
D. Beautifying landscapes, providing recreational areas, offering aesthetic value, and attracting tourists
3. Which of the following is a soil conservation measure?
A. Deforestation B. Overgrazing C. Crop rotation D. Monoculture
4. Which of the following is an importance of soil conservation?
A. Soil erosion B. Nutrient depletion
C. Improved water infiltration D. Desertification
5. What is the importance of farm layout?
A. Increased soil erosion B. Efficient use of resources
C. Decreased crop yield D. Difficulty in farm operations
6. Which local material can be used to make a farm model?
A. Plastic B. Metal C. Clay D. Glass
7. Which of the following is a use of harvested and stored water on the farm?
A. Soil erosion B. Irrigation C. Deforestation D. Air pollution

8. Which of the following is a type of water storage tank used in Kenya?
 A. Plastic tanks B. Wooden tanks C. Paper tanks D. Cloth tanks
9. Soil conservation primarily aims to:
 A. Increase soil erosion B. Deplete soil nutrients
 C. Protect and enhance soil quality D. Promote desertification
10. Farm layout planning is essential for:
 A. Increasing resource wastage B. Efficient allocation and utilization of farm resources
 C. Hindering farm operations D. Promoting soil degradation
11. In the art of knitting, various techniques are employed to create different designs from fibre. Which of the following options correctly identifies four techniques used in knitting to produce varied designs?
 A. Casting on, casting off, knit stitch, and purl stitch
 B. Colourwork, cabling, lace knitting, and intarsia
 C. Single crochet, double crochet, slip stitch, and chain stitch
 D. Weaving, felting, spinning, and braiding
12. Modern agriculture has seen the introduction of various technologies, such as framed suspended gardens, to enhance productivity. Which of the following options correctly lists four advantages of using framed suspended gardens?
 A. Increased yield, reduced water usage, less pest and disease problems, and improved ergonomics
 B. Lower initial investment, easier maintenance, faster growth rates, and higher market value
 C. Enhanced aesthetic appeal, greater biodiversity, improved air quality, and reduced noise pollution
 D. Increased land usage, higher energy consumption, greater labor requirements, and more waste generation
13. Maintaining cleanliness in homes involves the use of different types of soap. Which of the following options correctly lists four examples of soap commonly used in households?
 A. Dish soap, hand soap, body wash, and shampoo
 B. Laundry detergent, bar soap, liquid hand soap, and all-purpose cleaner
 C. Bleach, disinfectant, sanitizer, and degreaser
 D. Floor cleaner, window cleaner, toilet bowl cleaner, and furniture polish
14. Pollution has numerous detrimental effects on the surrounding environment. Which of the following options correctly lists four causes of soil pollution?
 A. Air pollution, water pollution, noise pollution, and light pollution
 B. Industrial waste, agricultural runoff, mining activities, and improper waste disposal
 C. Natural disasters, climate change, volcanic eruptions, and earthquakes
 D. Overpopulation, urbanization, deforestation, and globalization
15. Maimuna prepared her piece of land using a specific type of tilth. Which of the following options correctly lists four advantages of preparing the right tilth as a way of planting preparation?
 A. Improved drainage, enhanced aeration, better root penetration, and increased water retention
 B. Reduced erosion, increased nutrient availability, weed suppression, and pest control

- C. Faster decomposition of organic matter, improved soil structure, enhanced microbial activity, and increased crop yield
- D. Easier planting, faster germination, uniform growth, and higher market value
16. Different animal products require specific preparation methods. Which of the following options correctly lists two ways that beef meat is prepared?
- A. Roasting and grilling
B. Smoking and curing
C. Boiling and frying
D. Baking and steaming
17. In egg production, certain practices must be followed to ensure eggs are certified for marketing. Which of the following options correctly lists two such practices?
- A. Washing and sanitizing eggs
B. Grading and packaging eggs
C. Candling and weighing eggs
D. Storing and transporting eggs properly
18. Which of the following is the most effective method for preventing soil pollution, as discussed in the context of Gein's assignment?
- A. Increasing the use of chemical fertilizers in agriculture
B. Promoting deforestation for urban development
C. Implementing proper waste management and recycling programs
D. Discharging industrial waste directly into water bodies
19. What is the primary benefit of using framed suspended gardens in agriculture, as mentioned in the context?
- A. Lowering the cost of production
B. Increasing the yield and reducing water usage
C. Enhancing the aesthetic appeal of the farm
D. Reducing the need for pest control
20. Which of the following is a crucial step in ensuring that eggs are certified for marketing, as highlighted in the context?
- A. Storing eggs at room temperature
B. Washing and sanitizing eggs properly
C. Feeding chickens a diet high in fat
D. Allowing eggs to hatch naturally
21. Grade 8 learners from Donholm comprehensive school prepared a meal as shown below.



Mercy was told to give four importances of preparing the food using the method illustrated above. What importance was she likely to give? (4mks)

22. Pollution has many disadvantages to the surrounding. Give four causes of soil pollution in the soil. (4mks)

- i) _____
- ii) _____
- iii) _____
- iv) _____

23. Trees play an important role in the conservation of the environment as well as in agriculture. Name four importance of trees in conservation of the environment. (4mks)

- i) _____
- ii) _____
- iii) _____
- iv) _____

24. Peter, a grade 8 learner came across the practice below.



(a) What is the name of the practice shown above? (1mk)

(b) Give three importance of the practice demonstrated above. (3mks)

25. In egg production, there are some practices that are supposed to be done so that the eggs are certified for marketing. Give two of the practices. (2mks)

- i) _____
- ii) _____