

Community Guardians (Level 3)

Assessment Questions

Water Conservation: From Awareness to Action

1. What is the percentage of fresh water on Earth?
2. Define the term 'evaporation'.
3. Summarize the steps involved in creating a rainwater harvesting system.
4. Compare the water usage between taking a shower and taking a bath.
5. Why is it important to conserve water even if it seems abundant?
6. Explain the implications of water pollution on aquatic life.
7. What are the benefits of rainwater harvesting for a community?

Campaigning for Safety - Winds, Storms, and Cyclones

1. What is the difference between weather and climate?
2. How do the physical features of animals help them survive in specific climates?
3. How do weather conditions influence the way people live in different climates?
4. Explain the relationship between air pressure and wind formation.
5. What precautions should people take during thunderstorms to stay safe?
6. What is a cyclone, and how is it different from a tornado?
7. What factors should you consider when designing a safety campaign for natural disasters?
8. Explain the relationship between air pressure and wind formation.
9. Imagine you are a journalist reporting on a recent cyclone. Write an article that includes safety tips and community experiences.
10. If you were the mayor of a coastal city, how would you prepare your community for an approaching cyclone? List three innovative measures you would implement.
11. Imagine you are an animal living in the Sahara Desert. Describe your day and how your physical features help you survive in this environment.

Guardians of the Environment

1. Draw and label the stages of the water cycle.
2. List various sources of water and categorize them as freshwater or saline water.
3. Explain why we have a water shortage despite the Earth's surface being mostly covered by water.

4. Define deforestation and afforestation. Provide examples of each and explain their environmental impacts.
5. Why are forests and trees important for the environment and other organisms?
6. What is a rainwater harvesting tool, and how does it work?
7. How do human activities contribute to environmental issues such as deforestation and water scarcity?
8. Think of an innovative solution to address water scarcity in your community. Describe your idea and how it would work.
9. How can understanding the water cycle help us solve water scarcity problems?

Preserve and Protect

1. What is biodiversity?
2. Why is biodiversity important for the environment?
3. What are the primary causes of water pollution?
4. What are the harmful effects of water pollution on the environment?
5. What are some preventive measures to reduce water pollution?
6. What are the primary causes of air pollution?
7. What are the harmful effects of air pollution on the environment?
8. What are some preventive measures to reduce air pollution?
9. How does acid rain form, and what are its effects?
10. How do human activities affect biodiversity?
11. What is a food chain, and how does it illustrate the importance of biodiversity?
12. What are some ways to create awareness about protecting the environment?
13. What role do plants play in maintaining clean air?
14. What are the components of a successful awareness campaign for environmental protection?

Fire Safety

1. What is combustion, and what are its essential conditions?
2. Differentiate between combustible and non-combustible substances. Provide two examples of each.
3. Explain the importance of the ignition temperature in the process of combustion.
4. Describe how oxygen is essential for combustion and explain what happens to a burning candle when it is covered with a glass.

5. How does a fire extinguisher work, and what are the main components needed to make one using household items?
6. Why is it important to practice fire drills?
7. What should you do if your clothes catch fire?
8. If you had to design an evacuation plan for a place like a movie theater or a shopping mall, what unique challenges might you face, and how would you address them?

Green Guardians: Cultivate, Care, and Sell

1. What are the four main steps in the farm-to-table journey?
2. Describe the difference between direct sowing and transplantation.
3. What are the advantages and disadvantages of direct sowing and transplantation?
4. What are the signs of overwatering and underwatering plants, and how can you ensure plants receive the right amount of water?
5. Calculate the profit if the cost of growing a plant is \$2, and it is sold for \$5.
6. You have grown a batch of potted plants and designed an irrigation tool. The cost of materials for the plants is \$3, and the cost of materials for the irrigation tool is \$2. You decide to sell each plant for \$5 and each irrigation tool for \$7 at the farmer’s market. Calculate your total profit if you sold 10 plants and 5 irrigation tools.
7. Prepare and deliver a sales pitch for your crops and irrigation tool, highlighting their unique features and benefits.
8. Why is it important for farmers to understand concepts like cost price, selling price, and profit?

Peacemakers

1. Describe a time when you were involved in a conflict. How did it make you feel?
2. True or False: Clear communication is not important in resolving conflicts.
3. Match the terms to their correct definitions:

1) Conflict	A) Expressing feelings using a specific sentence structure starting with "I feel..."
2) Communication	B) A disagreement or fight between people
3) I Statement	C) The exchange of ideas, thoughts, or information by speaking, writing, or other means

4. Which of the following is an example of an 'I statement'?
 - A) "You always make me angry."
 - B) "I feel upset because I was left out."
 - C) "She made me cry."
 - D) "They never listen to me."
5. List three strategies you included in your 'Wheel of Choice' for resolving conflicts.
6. Imagine you are in a conflict with a friend who took your favorite book without asking. Write an 'I statement' to express your feelings and suggest a way to resolve the conflict using the 'Wheel of Choice'.
7. Which of the following is NOT a characteristic of effective communication?
 - A) Listening actively
 - B) Interrupting frequently
 - C) Expressing feelings clearly
 - D) Using respectful language
8. What is one way you can show that you are listening actively during a conversation?
9. Describe a creative solution you might suggest if two friends are arguing over which game to play during recess.

Animal Shelters

1. What does the numerator in a fraction represent?
 - A) The whole
 - B) The equal parts
 - C) The denominator
 - D) The number 1
2. Draw a fraction representing $\frac{3}{4}$ of a pizza and label the numerator and denominator.
3. Convert the mixed fraction $2\frac{3}{5}$ to an improper fraction.
4. True or False: To add two fractions, the denominators must be the same.
5. Describe two facilities that should be included in an animal shelter to ensure the animals are well taken care of and explain why they are important.
6. Imagine you have 4 adult dogs and 3 puppies in your shelter. How much meat is needed in total per day if each adult dog eats $\frac{3}{4}$ kg and each puppy eats $\frac{1}{4}$ kg?

7. Which of the following represents the fraction $\frac{7}{8}$ correctly?

- A) 7 parts out of 8 total parts
- B) 8 parts out of 7 total parts
- C) 1 part out of 8 total parts
- D) 7 parts out of 7 total parts

8. Calculate the total cost per day to run a shelter if feeding the animals takes $\frac{9}{4}$ hours at \$40 per hour and cleaning the shelter takes $\frac{13}{4}$ hours at \$30 per hour.

9. Why is it important to convert mixed fractions to improper fractions when calculating total costs?

- A) To make calculations simpler
- B) To avoid using whole numbers
- C) To create confusion
- D) To double-check the work