

### WORKSHEET 3

1. The soil water that facilitates the uptake of nutrients by plant roots in the soil is
  - A. adhesion water.
  - B. cohesion water.
  - C. gravitational water.
  - D. hygroscopic water.
  
2. The nutritional deficiencies in soil can be identified by
  - A. plant analysis and soil testing.
  - B. soil testing and the study of soil colour.
  - C. plant testing and the study of soil colour.
  - D. plant analysis and the study of soil formation.
  
3. The pH of an alkaline soil does not change when the recommended amount of gypsum is applied so is described as having a high rate of
  - A. porosity.
  - B. turgidity.
  - C. buffering.
  - D. productivity.
  
4. The plant breeding method that produces **superior** characteristics in plants is
  - A. inbreeding.
  - B. outbreeding.
  - C. line breeding.
  - D. cross breeding.
  
5. Which of the following statements is an **advantage** of urban agriculture?
  - A. Lack of security of tenure
  - B. Contributes to food security
  - C. Legal restrictions and economic impediments
  - D. Spread of diseases due to usage of waste water
  
6. The **best** method of organic farming recommended for households with limited space to grow vegetables at home is
  - A. permaculture.
  - B. vertical farming.
  - C. compost farming.
  - D. horizontal farming.
  
7. Vegetables grown in a backyard garden will also grow well as a container-grown plant. Which of the following **fruit** vegetables are recommended for large containers in organic container gardening?
  - A. Okra
  - B. Herbs
  - C. Lettuce
  - D. Cabbage

8. Which of the following ecosystems is referred to as the **rainforests of the sea**?
- A. Ocean
  - B. Estuaries
  - C. Coral reefs
  - D. Intertidal zone
9. In order to encourage more farmers to engage in the *kava* industry in Fiji, the government provides financial assistance. This assistance is termed
- A. tax.
  - B. devaluation.
  - C. subsidy.
  - D. balance of trade.
10. The increase in Cation Exchange Capacity (CEC) with increasing soil pH is closely related to the content of
- A. humus.
  - B. acidic radicles.
  - C. basic cations.
  - D. organic carbon.
11. The poisoning of a plant by applying too much of a particular nutrient is termed
- A. toxicity.
  - B. chlorosis.
  - C. mobility.
  - D. deficiency.
12. The type of water that is strongly attracted to the soil particles and immobile is
- A. capillary.
  - B. adhesion.
  - C. cohesion.
  - D. gravitational.
13. The breeding system in which pure lines can be achieved in crops is
- A. inbreeding.
  - B. line breeding.
  - C. outbreeding.
  - D. cross breeding.
14. Which of the following statements is an **advantage** of rooftop gardens?
- A. Increase CO<sub>2</sub> emissions
  - B. Lack of security of tenure
  - C. Support urban food production
  - D. Spread of diseases due to usage of storm water
15. The best sustainable method to control cluster caterpillar in the school organic container garden of Chinese Cabbage is
- A. control the crop spacing.

- B. use recommended pesticides.
- C. burn and bury crop residues before planting.
- D. plant lemon grass around the container garden.