Composting to Increase Food Production in Haiti - Learning Assessment

Multiple Choice

1. How does the burning of leaves and plant waste contribute to human suffering? Choose all that apply.
   a. It prevents nitrogen that came from the soil to return to the soil
   b. It releases nitrogen oxides into the atmosphere causing air pollution
   c. It leaves ugly burn marks on the ground
   d. It causes a human health risk through smoke inhalation for people working nearby
2. True or false. Trees reduce nitrogen greenhouse gases by absorbing nitrogen oxides directly through their leaves.
   a. True
   b. False
3. How does a composting program contribute to food security? Choose all that apply.
   a. Compost promotes soil health through balancing pH and adding vital nutrients and organic matter to arable soils
   b. Compost can be bagged and sold to generate extra income
   c. The combining of manures and leaves can help decrease harmful fly populations through maintaining a cleaner animal production system
   d. Compost doesn’t help food security, because humans can’t eat it
4. Which careers could involve promoting a composting program? Choose all that apply.
   a. Nursing home coordinator
   b. Sociologist
   c. Agriculture teacher
   d. Extension specialist
5. What are considered brown materials used for compost? Choose all that apply.
   a. Fresh cow manure
   b. Fish tank waste
   c. Leaves
   d. Vegetable food scraps

Open-Ended

1. How would a composting program contribute to food security?

2. How would you encourage a culture to adopt composting as a method of disposing of leaves, which traditionally has burned them for centuries?

3. If you have 10 buckets of leaves (70:1), how many buckets of chicken manure (7:1) would you need to make a compost pile at C:N 30:1?
Composting to Increase Food Production in Haiti - Learning Assessment KEY

Multiple Choice

1. How does the burning of leaves and plant waste contribute to human suffering?
   a. It prevents nitrogen that came from the soil to return to the soil
   b. It releases nitrogen oxides into the atmosphere causing air pollution
   c. It leaves ugly burn marks on the ground
   d. It causes a human health risk through smoke inhalation for people working nearby
2. True or false. Trees reduce nitrogen greenhouse gases by absorbing nitrogen oxides directly through their leaves.
   a. True
   b. False
3. How does a composting program contribute to food security?
   a. Compost promotes soil health through balancing pH and adding vital nutrients and organic matter to arable soils
   b. Compost can be bagged and sold to generate extra income
   c. The combining of manures and leaves can help decrease harmful fly populations through maintaining a cleaner animal production system
   d. Compost does not help food security, because humans cannot eat it
4. Which careers could involve promoting a composting program?
   a. Nursing home coordinator
   b. Sociologist
   c. Agriculture teacher
   d. Extension specialist
5. What are considered brown materials used for compost?
   a. Fresh cow manure
   b. Fish tank waste
   c. Leaves
   d. Vegetable food scraps

Open-Ended

1. How would a composting program contribute to food security?
   Answers may vary

2. How would you encourage a culture to adopt composting as a method of disposing of leaves, which traditionally has burned them for centuries?
   Answers may vary

3. If you have 10 buckets of leaves (60:1), how many buckets of chicken manure (7:1) would you need to make a compost pile at C:N 30:1?
   ANSWER: 10x60=600/30=20=7x, 20/7=2.857=x