

Name: _____

Appendix 1: Waste Not, Want Not

Part 1

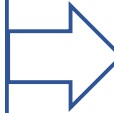
Directions:

Take the quiz “Waste Not, Want Not” in the fall 2021 issue of *FFA New Horizons*. Circle your answers and then complete the questions.

1. What percentage of the U.S. food supply goes to waste?
 - a. 10% to 20%
 - b. 30% to 40%
 - c. 50% to 60%
2. In the year 2017, how much food waste was generated by American households?
 - a. 17 million tons
 - b. 22 million tons
 - c. 41 million tons
3. What category of product gets thrown out most frequently?
 - a. Dairy
 - b. Fruit
 - c. Vegetables
4. How much food does the average American family of four waste per year, in terms of cost?
 - a. \$700
 - b. \$1,000
 - c. \$1,500
5. Misreading labels is one of the biggest reasons people throw away food. What percentage of Americans throw away perfectly good food because they misunderstand expiration labels, such as “sell by” and “use by”?
 - a. 30%
 - b. 50%
 - c. 80%
6. What are some ways you can reduce food waste at home?
 - a. Utilizing leftovers
 - b. Composting food scraps
 - c. Both of the above



Do any of the questions and/or answers from the quiz surprise you? Why or why not?



Why do you think there is so much food wasted in the United States?



How do you think food waste impacts local communities?



Name: _____

Part 2

Directions:

Food waste is a large issue facing the U.S. population. But what can you do to help reduce the amount of food wasted each year? Complete the activities below using the Environmental Protection Agency (EPA) website, <https://www.epa.gov/recycle/composting-home>, to see what you can do.

Select and circle the most recent meal you consumed.

Breakfast

Lunch

Dinner

List *all* the items that you had for your meal. (Ex. Cheerios, milk, banana)

List *everything* that you threw away. This includes packaging, food, food peels, etc. (Ex. leftover cheerios, banana peel)



Place a square around all the food that was thrown out.

Complete the activities below, and then circle the green and brown composting ingredients.



In your own words, what is composting?

Composting requires three ingredients. Give a minimum of five examples of browns and greens. Explain why water is needed.

Greens

Browns

Water

What are five items that you regularly consume, see or use that you can compost?

What two items in your compost pile should have equal amounts?

_____ = _____

Identify two benefits that come from composting food waste.

What are five items you should NOT compost?

Name: _____

Part 3

Directions:

In this part of the activity, we are going to see how much food is wasted in your school. At breakfast or lunch, sit at a table close to the waste cans. As students and staff throw out their items, use the space below to record what is thrown away.

With a green marker or highlighter, circle **green** compost items.

With a **black** marker, cross out the items that cannot be composted.



Are you surprised by how much food was thrown out? Why or why not?

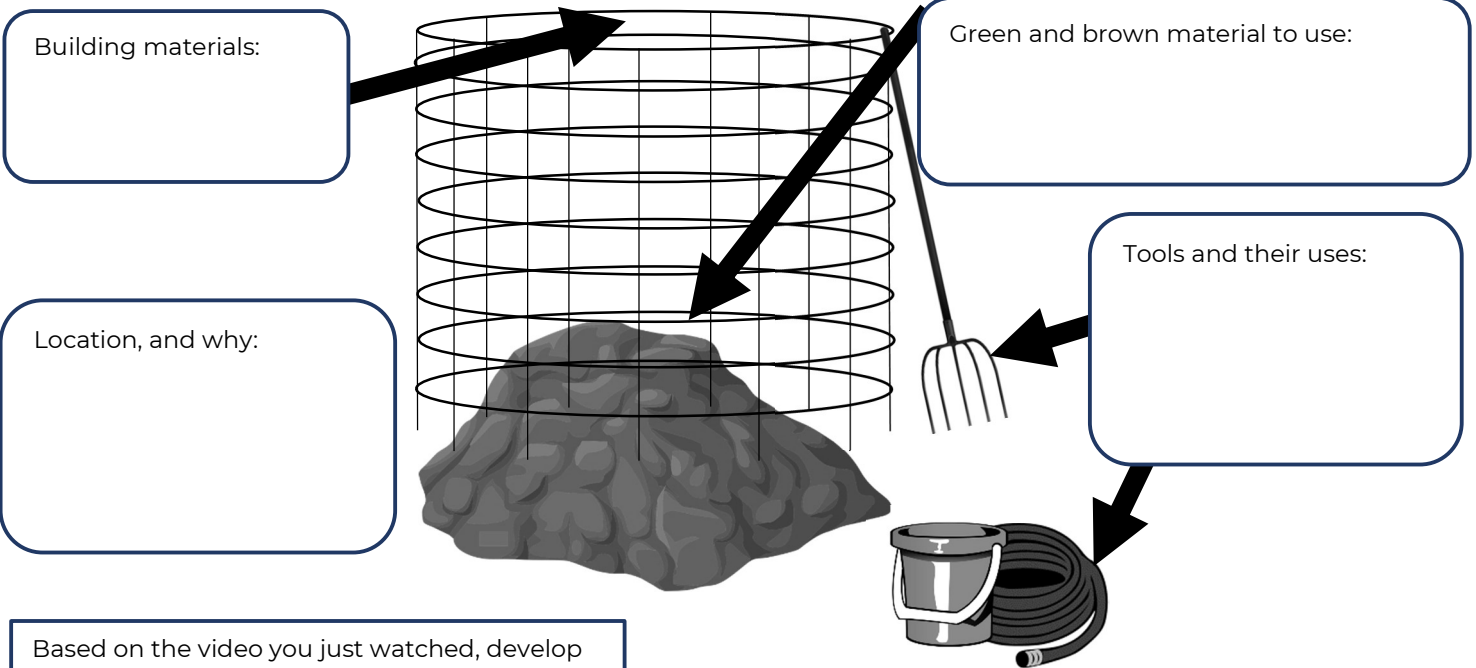
Name: _____

Part 4

Directions:

You have now learned about food waste in the United States, learned the basics of composting and have witnessed how food is wasted in your school. Today, we are going to plan and design a compost bin for your school. Watch the "How and Why to Compost" video from Tractor Supply Co., <https://youtu.be/kmdswODQDPs>, and complete the following activity.

Label the image below with the examples Tractor Supply Company recommends for **constructing a compost pile**:



Based on the video you just watched, develop a supply list and determine the cost using the Tractor Supply Co. website, https://www.tractorsupply.com/?cm_sp=Header_Nav--Links--Logo.

Supply

Cost

Total: _____

Draw an aerial view of your school, and place an X where you would place your new compost bin.

What impact could a compost bin have at your school to combat the food waste issue?

Name: _____

Aligned to the following standards:

FFA.PL-A; FFA.PL-C; FFA.PL-D; FFA.PL-F; FFA.PG-I; FFA.PG-J; FFA.CS-N;
FFA.CS-P; CS.06; AG6; AGC05.02; CCSS.SL.9-10.2; CCSS.RI.9-10.3; CCSS.W.9-10.1; MPI; CCSS.RST.9-10.4; CCSS.WHST.9-10.6; CRP.02; CRP.04; CRP.05

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Do any of the questions and/or answers from the quiz surprise you? Why or why not?

Answers will vary.



Why do you think there is so much food wasted in the United States?

Answers will vary.



How do you think food waste impacts local communities?

Answers will vary.



Name: _____

Part 2

Directions:

Food waste is a large issue facing the U.S. population. But what can you do to help reduce the amount of food wasted each year? Complete the activities below using the Environmental Protection Agency (EPA) website, <https://www.epa.gov/recycle/composting-home>, to see what you can do.

Select and circle the most recent meal you consumed. **Answers will vary.**

Breakfast

Lunch

Dinner

List *all* the items that you had for your meal. (Ex. Cheerios, milk, banana)

Answers will vary.

List *everything* that you threw away. This includes packaging, food, food peels, etc. (Ex. leftover cheerios, banana peel) **Answers will vary.**

Place a square around all the food that was thrown out.

Complete the activities below, and then circle the green and brown composting ingredients.



In your own words, what is composting? **Answers will vary. Example response:** Compost is organic material that can be added to soil to increase nutrition. Compost can be made from some food scraps that would otherwise be thrown away.

Composting requires three ingredients. Give a minimum of five examples of browns and greens. Explain why water is needed.

Greens

Answers will vary. Examples: fruits, vegetables, grass clippings, coffee grounds

Browns

Answers will vary. Examples: dead leaves, branches, twigs

Water

Helps the compost develop

What are five items that you regularly consume, see or use that you can compost?

Answers will vary.

What two items in your compost pile should have equal amounts?

browns = greens

Identify two benefits that come from composting food waste. **Answers will vary. Examples:** Reduce the amount of food waste going to landfills, create a product that can then be added to grow other plants/food

What are five items you should NOT compost?

Answers will vary.

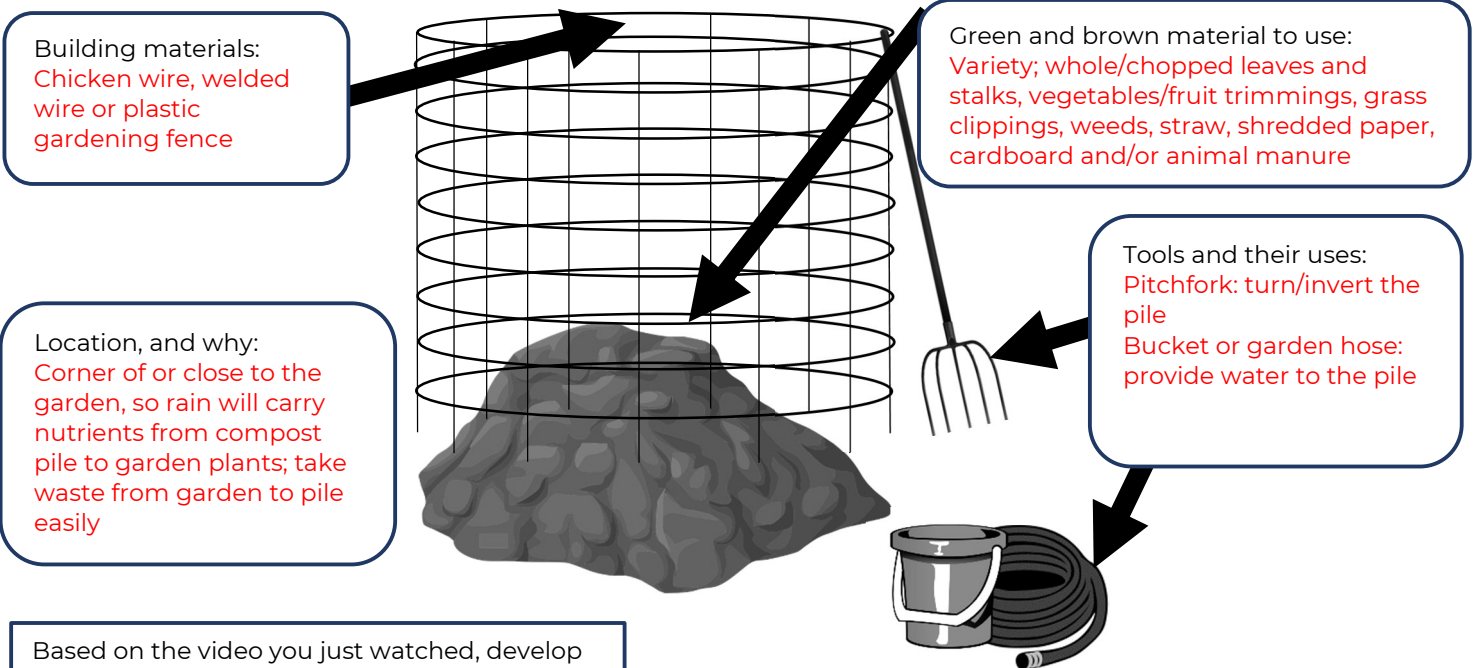
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Part 4

Directions:

You have now learned about food waste in the United States, learned the basics of composting and have witnessed how food is wasted in your school. Today, we are going to plan and design a compost bin for your school. Watch the "How and Why to Compost" video from Tractor Supply Co., <https://youtu.be/kmdswODQDPs>, and complete the following activity.

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Supply

Cost

Answers will vary.

Total: _____

What impact could a compost bin have at your school to combat the food waste issue?

Answers will vary.

Draw an aerial view of your school, and place an X where you would place your new compost bin. Answers will vary.