Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_

Care and Handling for flowers

1. List three reasons why you would want long lasting flowers.

a.

b.

c.

2. What is the chain of life for flowers?

Indicate the proper order for the ‘chain of life’ by putting the number in front of the chain of handlers involved in the moving of the product from one hand to another.

\_\_\_\_\_\_\_\_\_\_\_\_\_ wholesaler

\_\_\_\_\_\_\_\_\_\_\_\_\_ shipper

\_\_\_\_\_\_\_\_\_\_\_\_\_ florist-retailer-designer

\_\_\_\_\_\_\_\_\_\_\_\_\_ grower

\_\_\_\_\_\_\_\_\_\_\_\_\_ customer

\_\_\_\_\_\_\_\_\_\_\_\_\_ broker

3. What causes flower deterioration?

a.

b.

4. List three causes of blockage in flowers.

a.

b.

c.

5. what is the number one reason why flowers lose water?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Explain?

6. how do flowers lose food?

a.

b.

7. What is Botrytis?

What causes botrytis?

a.

b.

8. what is ethylene Gas and what does it do to flowers?

9. List five symptoms of ethylene gas?

a.

b.

c.

d.

e.

10. Define water quality.

11. What does ph mean?

12. what does ph do for flowers?

13. list the seven steps in conditioning flowers.

a.

b.

c.

d.

e.

f.

g.

14. What degree is the ideal storage temperature for a fresh cut flower cooler?

15. Why do we use floral preservative food for flowers?

16. Match the following floral preservative ingredients with their correct definition.

Ingredients:

a. sugars

b. biocides

c. acidifiers

d. growth regulators

e. wetting agents

definitions:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_ inhibits the growth of microorganisms

2. \_\_\_\_\_\_\_\_\_\_\_\_\_ carbohydrates to nourish

3. \_\_\_\_\_\_\_\_\_\_\_\_\_ to aid water absorption

4. \_\_\_\_\_\_\_\_\_\_\_\_\_ lowers ph levels

5. \_\_\_\_\_\_\_\_\_\_\_\_\_ to increase the vase life of some flowers

Here are homemade recipes for a floral preservative:

Formula 1: formula 2:

1 qt. water at room temperature 50% warm water

1 tablespoon light corn syrup 50% sprite or 7-up

½ teaspoon liquid bleach 1 ½ teaspoon bleach to one quart water

1 tablespoon lemon juice