Name _____ Date _____ Class _____

Study Guide

Directions: Read chapter 21, and answer the following questions. Later, you can use this study guide to review.

1. Describe the work flow in a kitchen.

   _____

   _____

2. What is a work center?

   _____

3. What are the three major work centers in a kitchen, and what do they form?

   _____

   _____

4. What are the four most common kitchen plans, and how can they be modified?

   _____

   _____

5. List at least three storage options for cabinets.

   _____

   _____

6. Identify three ways to add counter space to a kitchen.

   _____

   _____

7. Explain the recommended research you should do before purchasing appliances.

   _____

   _____

8. Describe four consumer safeguards to ensure consumer satisfaction.

   _____

   _____

9. List steps you can take to be a critical shopper.

   _____

   _____

   _____

(Continued on next page)

Chapter 21 Study Guide (continued)

10. Why is buying on credit more expensive than paying cash?

_____

_____

11. Describe the differences between gas ranges and electric ranges.

_____

_____

12. What are two advantages of a convection oven?

_____

13. What happens to food in a microwave oven?

_____

_____

14. Name four small appliances and their uses.

_____

_____

15. List the types of materials used for cookware and bakeware.

_____

_____

16. Name five types of cookware.

_____

_____

17. Describe three different examples of bakeware.

_____

_____

18. What measuring tools are essential to a well-equipped kitchen?

_____

_____

19. Name five categories of tools and equipment needed in the kitchen.

_____

_____

20. Besides a grill, list some handy grilling tools.

_____

_____

Activity 1

Calculating Payments

Directions: Most people need to buy appliances on credit at one time or another. Understanding how to calculate interest and total payments can help you keep track of how much you owe at any point. This activity will help you learn to calculate these important figures.

Here's an example that will help you understand the process: Anita purchases a refrigerator-freezer for $1,195. She buys it on credit at an interest rate of 12%, and she will pay off the loan in 24 equal monthly payments.

The total she will pay (including interest) is:

> Purchase price + (12% of purchase price)

To calculate 12% of the purchase price, you have to change 12% into a decimal by dividing it by 100:

> 12 divided by 100 = 0.12

Now use the formula:

> $1,195 + (0.12 × $1,195) = $1,338.40

So Anita will pay a total of $1,338.40 for the refrigerator-freezer.

Next, Anita needs to determine how much each monthly payment will be. To find that amount, simply divide the total amount she will pay by the number of payments she will make:

> $1,338.40 divided by 24 = $55.76666
> which when rounded = $55.77

How much will Anita still owe on the refrigerator-freezer after she has made 14 payments? To find out, multiply her monthly payment by 14, and then subtract that answer from the total amount she will pay:

> $55.77 × 14 = $780.78
> $1,338.40 − $780.78 = $557.62

(Continued on next page)

Name _____ Date _____ Class _____

Chapter 21 Activity 1 (continued)

Directions: Now it's your turn. For each of the following, find the total amount owed (including interest), the amount of each monthly payment, and the amount still owed after the stated number of payments are made. Refer to the example on the previous page if necessary. Use a separate sheet of paper to show your calculations and attach it to this activity sheet.
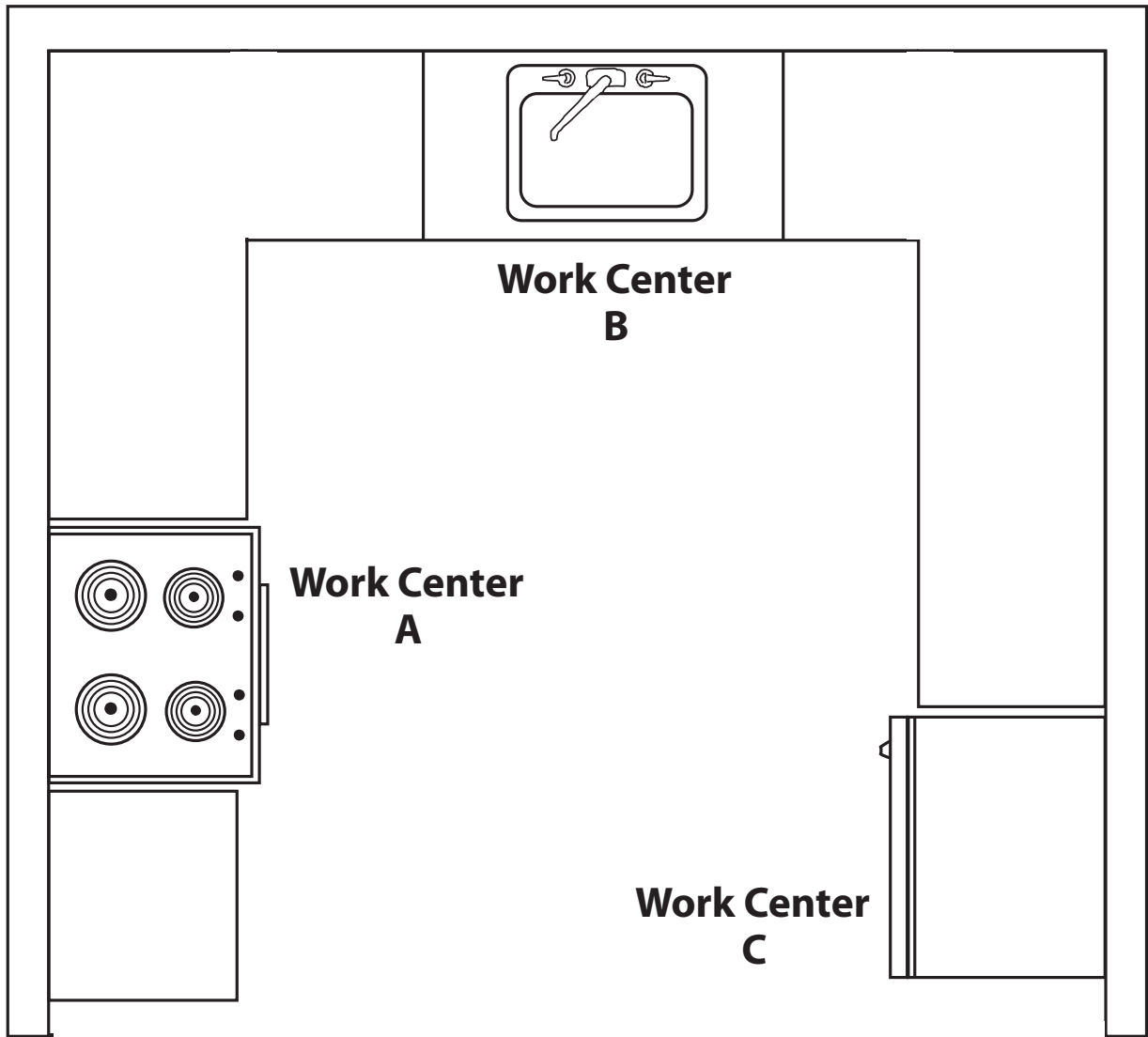
1. David uses credit to buy a range for $445. The interest rate is 11%, and he will make 12 monthly payments.

   Total amount owed: _____

   Amount of each monthly payment: _____

   Amount still owed after he makes 7 payments: _____

2. Sol buys a $640 dishwasher on credit. The interest rate is 14%, and he will make 18 monthly payments.

   Total amount owed: _____

   Amount of each monthly payment: _____

   Amount still owed after he makes 9 payments: _____

3. Athena buys a freezer for $985. The interest rate is 12%, and she will make 36 monthly payments.

   Total amount owed: _____

   Amount of each monthly payment: _____

   Amount still owed after she makes 23 payments: _____

4. Martin buys a deluxe microwave oven for $524. The interest rate is 10%, and he will make 12 monthly payments.

   Total amount owed: _____

   Amount of each monthly payment: _____

   Amount still owed after he makes 4 payments: _____

5. Yolanda buys a washer and dryer for a combined price of $880. The interest rate is 13%, and she will make 15 monthly payments.

   Total amount owed: _____

   Amount of each monthly payment: _____

   Amount still owed after she makes 11 payments: _____

Activity 2

What's in a Kitchen?

Directions: Study the floor plan of the kitchen below. In the space provided on page 100, name each work center, and describe the major features, tools, and equipment located in that center. Remember that there are cabinets in each center that will contain equipment.

**Work Center
B**

**Work Center
A**

**Work Center
C**

(Continued on next page)

Chapter 21 Activity 2 (continued)

Work Center A: _____

_____

_____

_____

_____

_____

_____

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_____

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_____

Work Center B: _____

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Work Center C: _____

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