

## Activity Quiz 2

# The Microworld



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

### True or False?

- ① \_\_\_\_\_ All pathogens need oxygen to grow.
- ② \_\_\_\_\_ The most important way to prevent foodborne illnesses caused by viruses is to control time and temperature.
- ③ \_\_\_\_\_ *Bacillus cereus* is commonly linked with raw poultry.
- ④ \_\_\_\_\_ Parasites cannot grow in food.

### TCS Food

Place an **X** next to each food that is or contains a TCS food.

- ① \_\_\_\_\_ Mashed potatoes
- ② \_\_\_\_\_ Orange juice
- ③ \_\_\_\_\_ Pizza with diced tomatoes and green pepper
- ④ \_\_\_\_\_ Poached salmon
- ⑤ \_\_\_\_\_ Refried beans
- ⑥ \_\_\_\_\_ Scrambled eggs
- ⑦ \_\_\_\_\_ Shrimp fried rice
- ⑧ \_\_\_\_\_ Tofu ice cream
- ⑨ \_\_\_\_\_ Vanilla milk shake
- ⑩ \_\_\_\_\_ Whole-wheat bread

### Pathogen Growth

List the six conditions pathogens need to grow.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Continued on the next page ►

▶ *Continued from previous page***Foodborne Illness and Linked Food**

Write the letter of the food commonly linked with each foodborne illness. You will use food items more than once. Some foodborne illnesses are linked with more than one food.

- |   |                       |
|---|-----------------------|
| ① _____ Hepatitis A   | A Poultry             |
| ② _____ Norovirus gastroenteritis                                   | B Eggs                |
| ③ _____ <i>Bacillus cereus</i> gastroenteritis                      | C Meat                |
| ④ _____ Listeriosis   | D Fish                |
| ⑤ _____ Hemorrhagic colitis   | E Shellfish           |
| ⑥ _____ <i>Clostridium perfringens</i> gastroenteritis              | F Ready-to-eat food   |
| ⑦ _____ Botulism  | G Produce             |
| ⑧ _____ Salmonellosis   | H Rice/grains         |
| ⑨ _____ Shigellosis   | I Milk/dairy products |
| ⑩ _____ Staphylococcal gastroenteritis                              | J Contaminated water  |
| ⑪ _____ <i>Vibrio vulnificus</i> primary septicemia/gastroenteritis |                       |
| ⑫ _____ Anisakiasis   |                       |
| ⑬ _____ Cryptosporidiosis   |                       |
| ⑭ _____ Giardiasis  |                       |

## Answers

### True or False?

- ① F
- ② F
- ③ F
- ④ T

### TCS Food

1, 3, 4, 5, 6, 7, 8, and 9 should be marked.

### Pathogen Growth

Pathogens need these conditions to grow.

- Food
- Acidity
- Temperature
- Time
- Oxygen
- Moisture

### Foodborne Illness and Linked Food

- |              |              |
|--------------|--------------|
| ① E, F, J    | ⑧ A, B, G, I |
| ② E, F, J    | ⑨ F, G, J    |
| ③ C, G, H, I | ⑩ F          |
| ④ C, F, I    | ⑪ E, J       |
| ⑤ C, G       | ⑫ D          |
| ⑥ A, C       | ⑬ G, J       |
| ⑦ G          | ⑭ G, J       |