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.

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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.

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>①</td>
<td>______ Hepatitis A</td>
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<tr>
<td>②</td>
<td>______ Norovirus gastroenteritis</td>
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<tr>
<td>③</td>
<td>______ Bacillus cereus gastroenteritis</td>
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<tr>
<td>④</td>
<td>______ Listeriosis</td>
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<tr>
<td>⑤</td>
<td>______ Hemorrhagic colitis</td>
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<tr>
<td>⑥</td>
<td>______ Clostridium perfringens gastroenteritis</td>
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<td>⑦</td>
<td>______ Botulism</td>
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<tr>
<td>⑧</td>
<td>______ Salmonellosis</td>
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<td>⑨</td>
<td>______ Shigellosis</td>
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<tr>
<td>⑩</td>
<td>______ Staphylococcal gastroenteritis</td>
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<tr>
<td>⑪</td>
<td>______ Vibrio vulnificus primary septicemia/gastroenteritis</td>
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<td>⑫</td>
<td>______ Anisakiasis</td>
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<tr>
<td>⑬</td>
<td>______ Cryptosporidiosis</td>
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<tr>
<td>⑭</td>
<td>______ Giardiasis</td>
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</tbody>
</table>

A Poultry  
B Eggs  
C Meat  
D Fish  
E Shellfish  
F Ready-to-eat food  
G Produce  
H Rice/grains  
I Milk/dairy products  
J Contaminated water
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
2. E, F, J
3. C, G, H, I
4. C, F, I
5. C, G
6. A, C
7. G
8. A, B, G, I
10. F
11. E, J
12. D
13. G, J
14. G, J