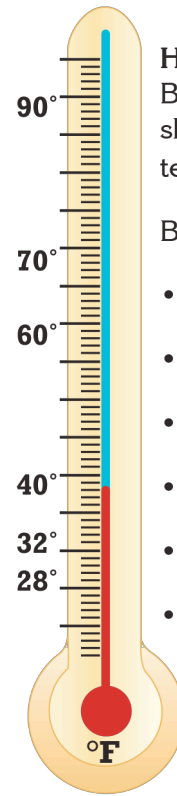




## Discussion Questions:

1. How did the data support or reject your hypothesis?
2. What do you predict will happen if the refrigerated and frozen samples are left out at room temperature for another day?
3. What other variables may influence the results of this experiment?
4. Using methylene blue, what other experiments could you perform?
5. Explain the relationship of your findings to food safety.



### How's it growing?

Bacteria grow faster or slower depending on the temperature.

Bacteria double...

- Every 1/2 hour at 90°
- Every 1 hour at 70°
- Every 2 hours at 60°
- Every 6 hours at 40°
- Every 20 hours at 32°
- Every 60 hours at 28°