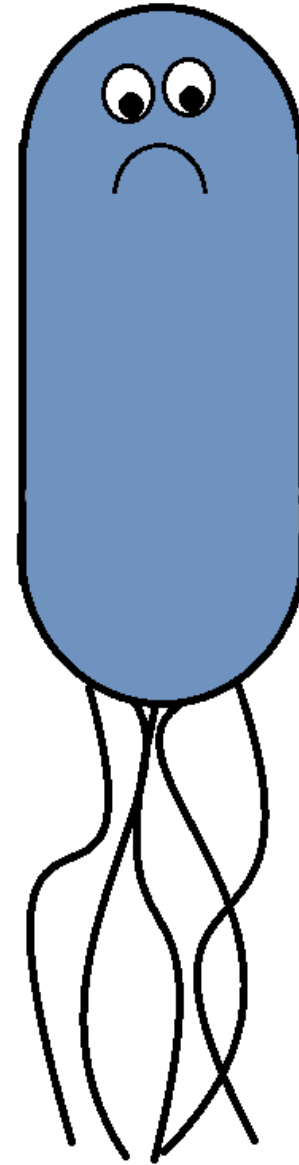
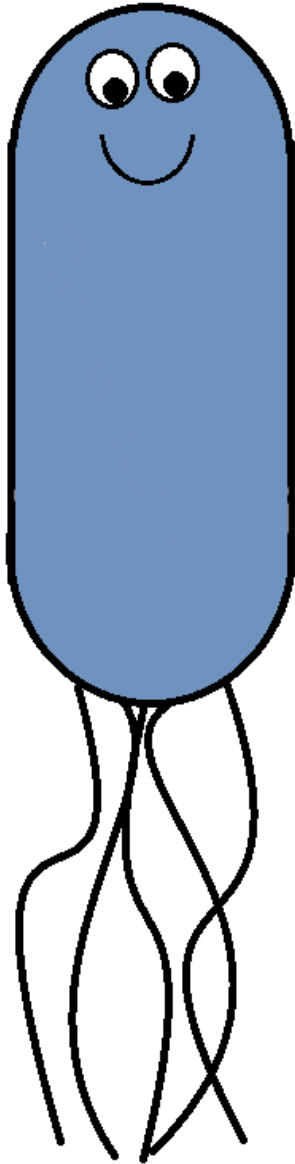


WHAT CONDITIONS MAKE A MEAN MICROBE HAPPY?



TEMPERATURE:

5-63°C

TEMPERATURE:

BELOW 5°C

TEMPERATURE:

ABOVE 63°C

MOISTURE



DRY



pH:

ABOVE 4

pH:

BELOW 4

FOOD



CLEAN SURFACE



WHAT MAKES A MEAN MICROBE HAPPY?

ANSWERS

Mean microbes are happiest when:

- **The temperature is 5-63°C** - below this it is too cold for the microbes to grow and reproduce and in high temperatures above 63°C the microbes die.
- **There is food** - microbes need a source of nutrition to survive. If surfaces are clean and free from dirt and food then microbes will not be able to survive.
- **There is moisture** - microbes need water to survive.
- **The pH is above 4** - pH is a measure of acidity, the lower the pH, the more acidic an environment is. Mean microbes cannot survive in a very acidic environment.

When conditions are just right, some microbes can multiply every 20 minutes which means that one microbe could turn into 2,097,152 microbes after just 7 hours!