**How E. coli Grows**



*E. coli* (*Escherichia coli*) is a type of bacteria that lives in the digestive tracts of humans and animals. It grows by splitting in half, through a process called binary fission.

| What do you notice? | What questions do you have? |
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**How E. coli Grows (part 2)**



Imagine working as a scientist. You are growing *E. coli* in a petri dish. Every 20 minutes, you take a photograph through a microscope and then count the number of bacteria at that moment.

| 1. What do you think the next photograph of bacteria would look like? (Draw them.) | 1. Now, imagine 20 minutes have passed after the picture you drew on the left. How would you figure out how many bacteria there are now? |
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1. Complete the table to the right.
2. How many bacteria would there be after 4 hours?
3. How many bacteria would there be after 5 hours?