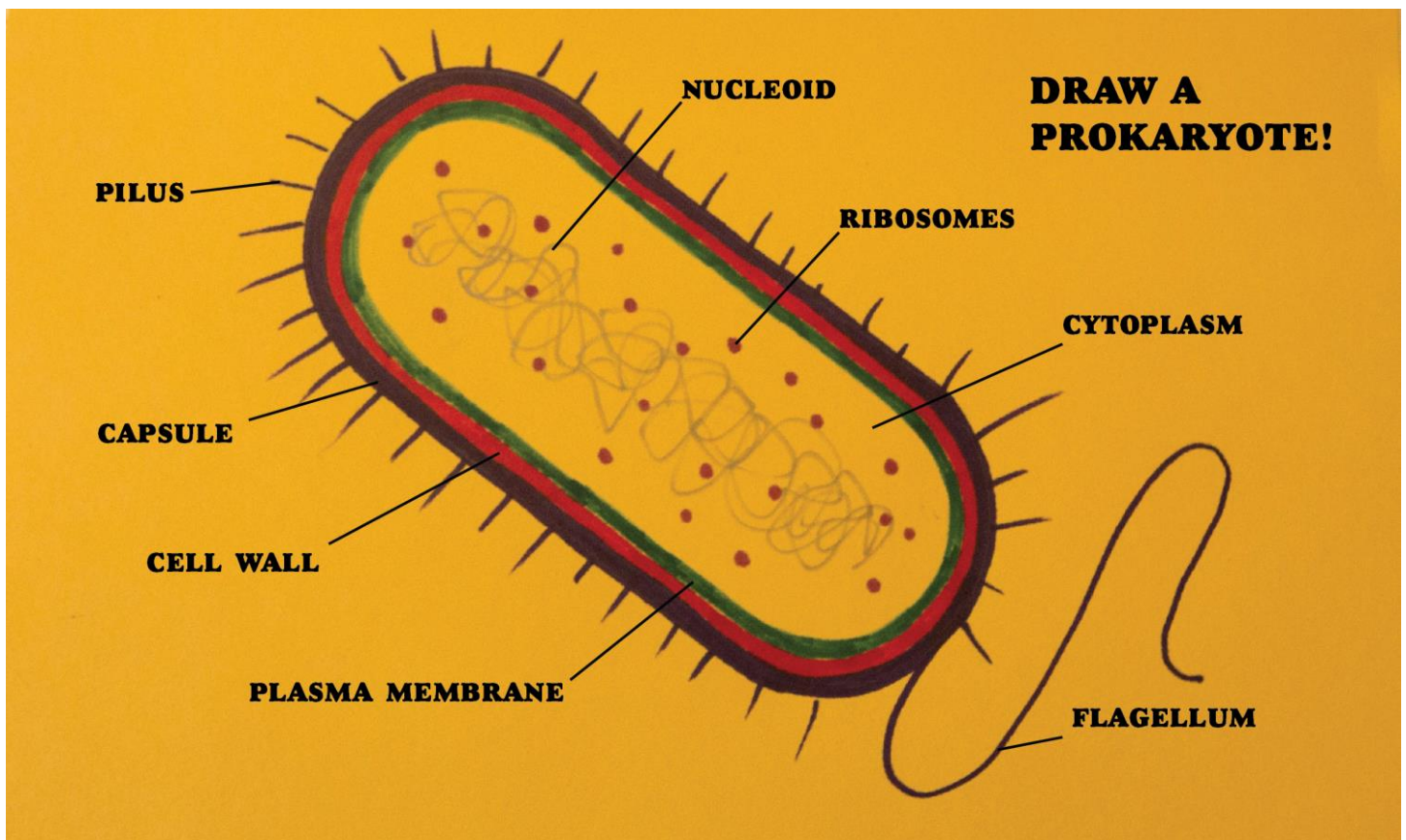


Draw a Prokaryote

All cells are classified into two broad categories - Eukaryotes and Prokaryotes – with Bacteria, along with the domain Archaea, falling under Prokaryotes. Unlike Eukaryotes, – think animals, plants, and fungi – prokaryotes are typically single-celled organisms that lack a nucleus (compartment where DNA is kept) and membrane-bound compartments called organelles. Without organelles, the DNA and ribosomes (protein factories) are dispersed in a gel-like substance called the cytoplasm. Although not as complex as their eukaryotic counterparts, prokaryotes are just as important in our daily lives - did you know that we are home to around 100 trillion bacterial cells? With that in mind, let's draw a prokaryote and highlight its unique cellular structure using supplies at home!



SUPPLIES

1.
CAN
OF
FOOD



2.
PAPER



3.
PENCILS &
MARKERS



USE YOUR PENCIL
TO TRACE ALONG
ONE SIDE OF THE
CAN



NOW TRACE
ALONG THE
OTHER SIDE



YOU WILL HAVE
TWO PARALLEL
LINES



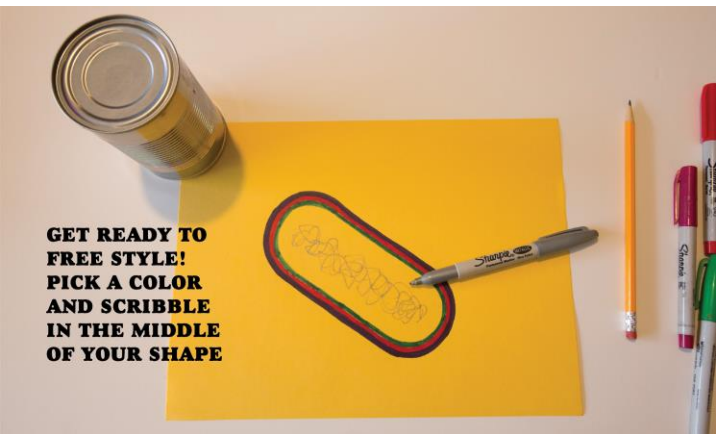
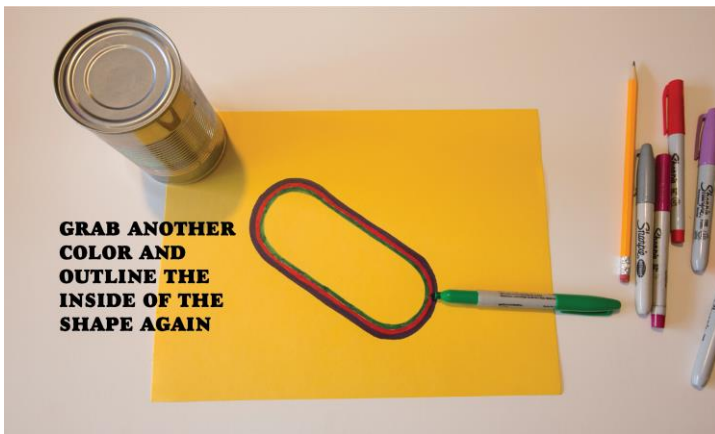
PLACE YOUR CAN
RIGHT SIDE UP SO
THAT THE ROUND
EDGE OF THE CAN
CONNECTS THE
TWO LINES

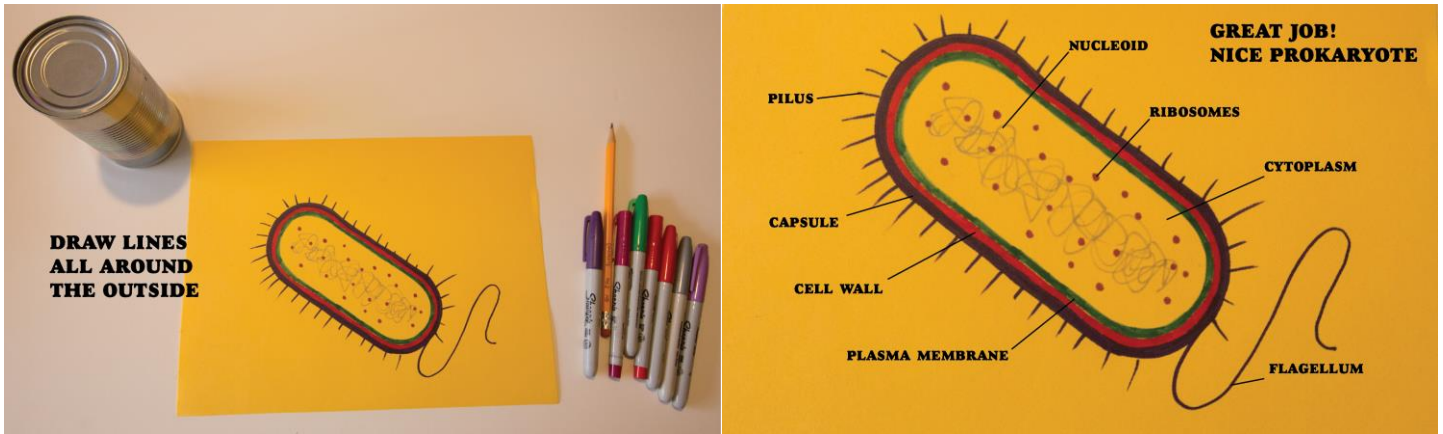
TRACE AROUND
THE TOP OF
THE CAN
BETWEEN THE
TWO LINES



REPEAT ON
THE OTHER
SIDE, SO YOUR
SHAPE LOOKS
LIKE THIS







After you draw your prokaryote, take a photo and share it with us if you like. [Tweet](#) it at us! [Gram](#) it our way! Put it on [Facebook](#)! Tag us with #couchreach (that's outreach from your couch)!

[\(Missed yesterday's activity? Check out our archive\)](#)