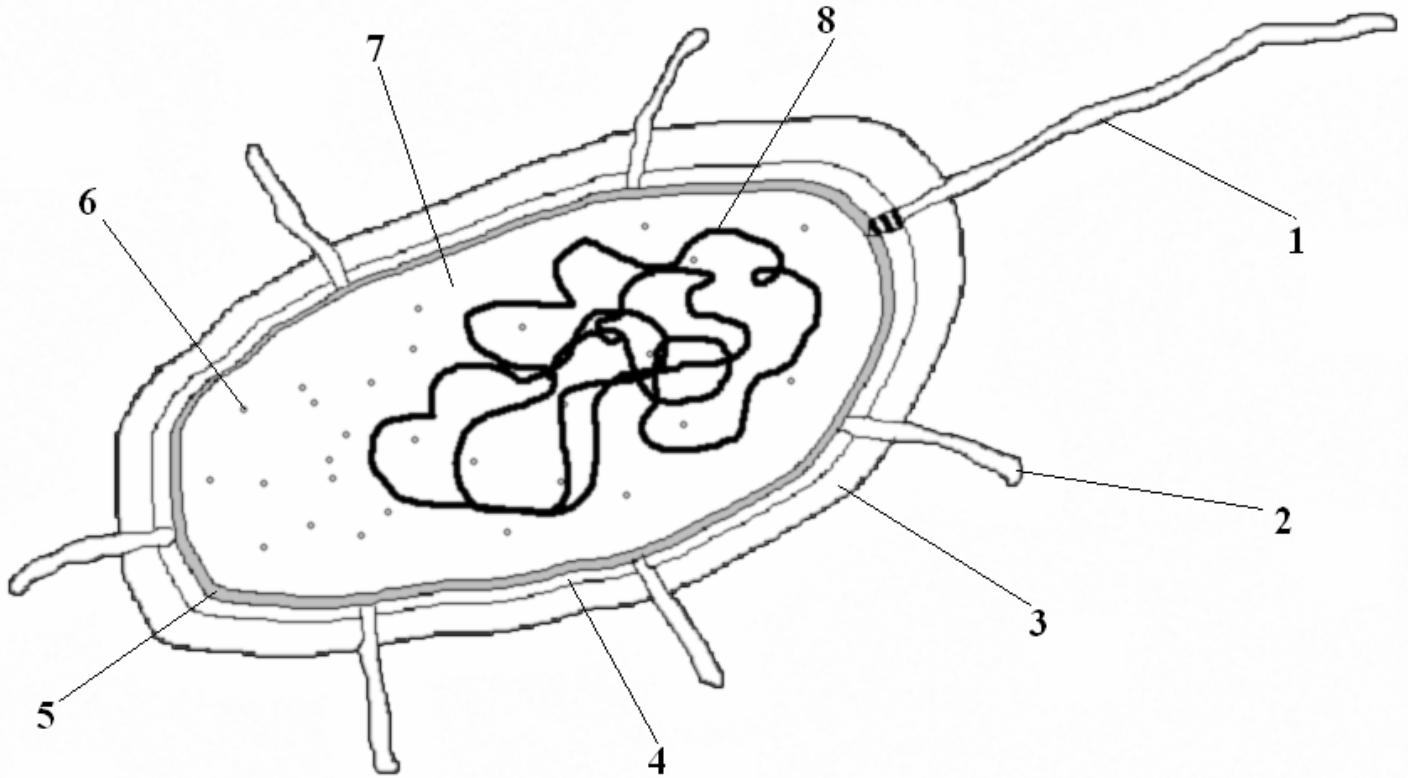




Bacterial Diagram



Color and label the bacteria below. Answer the questions that follow in **Complete Sentences**.



- Discuss why bacteria are considered *prokaryotes*. Include in your discussion a list of *organelles* that a bacterium does and does not have.
- Explain how bacteria reproduce, including the term used to describe that reproduction. Also, include a description of the shape of the bacterial chromosome.
- Penicillin is an antibiotic that works by destroying *all* cell walls it comes in contact with. Explain why most humans can take this chemical and be unaffected.
- Bacteria come in a variety of shapes coccus, bacillus, spirillum, and arrangements like staphlo-, strepto, and diplo-. Illustrate and label these shapes and arrangements.
- List some differences between bacteria and virus.
- Discuss why it would be fruitless to prescribe penicillin for a viral infection.