Biology Activity Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Prokaryotic Cell Structures

*Use the following key to color code the cell parts based on the descriptions of their functions. Use each clue to determine the structure and then write the name on the line provided.*

**Label:** Region where DNA is located\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Yellow:** Hollow, hair-like structures used to attach to other cells\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Light Blue:** Circular DNA involved in growth and metabolism\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Brown:** Molecule that carries the genetic code for the cell\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Black:** Organelle responsible for protein manufacturing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Red:** Long, whip-like “tail” used for movement\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Pink:** Jelly-like material that takes up a great deal of space inside the cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Purple:** Allows certain molecules into and out of the cell\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Green:** Rigid structure surrounding the cell that helps maintain the cell’s shape \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Blue:** Outermost layer of the cell that helps provide protection\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_