

Cell Biology
Brainpop—Bacteria

Name:
Period:

Watch the Brainpop on bacteria, then determine if the statements below are true or false.

If the statement is true, write "TRUE" on the line in front of the statement.

If the statement is false, fix it by writing on the line the correct words to replace the underlined words in bold.

1. _____ Bacteria are multiple-celled microscopic organisms.
2. _____ **Bacteria** are the most abundant form of life on Earth.
3. _____ Your **digestive tract** is home to trillions of bacteria.
4. _____ **Vitamins** are a type of medication used to kill bacteria.
5. _____ Common bacterial shapes are rods, spheres, and **cones**.
6. _____ Cilia or **legs** are used for locomotion in some bacteria.
7. _____ In general, bacteria consist of a **nucleus**, ribosomes, and a cell wall.
8. _____ Some types of bacteria can make their own energy through **photosynthesis**.
9. _____ **Fusion** is a form of asexual reproduction where two identical cells are formed from one parent cell.
10. _____ Some bacteria can exchange **genetic** material with each other using a thin tube to connect them.
11. _____ Bacteria can multiply and **grow larger** quickly.
12. _____ Scientists think that bacteria evolved around **3.5** billion years ago.

Draw in the boxes below to show how bacteria (and its DNA!) reproduce asexually through binary fission.

before binary fission starts	during binary fission	when binary fission is done