**#\_\_\_\_**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_

**Bill Nye Cells Video Worksheet**

Directions: Before the video starts, read over the questions so that you will know what to look/listen for while the video plays. The questions go in order.

**Questions:**

1. All plants and animals are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Humans are more like animals, such as rabbits, than plants because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
3. Humans are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (number) cells.
4. Organisms like rabbits have many different kinds of cells to do different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
5. Cells are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bricks because they are piled up to make something, but they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because cells are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and bricks are not.
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when more cells are made than die.

**Alive or not?** (Write the correct classification next to each item shown in the video.)

Part 1 Part 2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ family \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ potato

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ volcano \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ potato chips

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sponge cake \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gym socks

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sea sponge

**Consider the Following:** How is a cell like a room in a house?

1. A room’s wall is like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_ because it surrounds the cell.
2. A table in a room is like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
3. A fireplace is like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because it provides energy.
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process of one cell becoming two cells.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the road map for cells and tell the cells what to do.
6. \_\_\_\_\_\_\_\_\_\_\_ is our body’s fastest growing organ because we shed millions of these cells every day.
7. Genes are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Humans have \_\_\_\_\_\_ pairs of chromosomes (46 total).
9. Name one large single cell that is very easy to see.
10. Red blood cells are red because the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the cell mixes with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ we breathe in.
11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ attack viruses to keep us from getting sick.
12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is how cells exchange chemicals with the environment and other cells.
13. The only type of human cell that is never replaced is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. One of the characteristics of being \_\_\_\_\_\_\_\_\_\_\_ is being made of cells.