Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Bill Nye: CELLS**

[*https://www.youtube.com/watch?v=Mtbn4nK2OOo*](https://www.youtube.com/watch?v=Mtbn4nK2OOo)

*Answer the following questions as you watch the movie.*

1. Animals have many different kinds of cells to do different \_\_\_\_\_\_\_\_\_\_\_\_\_

2. What kind of cells are humans made of? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when more cells are made than die off.

4. Mitochondria in cells are like a fireplace, they provide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process of 1 cell becoming 2 cells.

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are the road map for cells and tell the cells what to

do.

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is our bodies fastest growing organ

because we shed millions of these cells every day.

8. Humans have \_\_\_\_\_\_\_\_\_\_\_\_ pair 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that we breathe in.

11.What is the only type of human cell that is never replaced? \_\_\_\_\_\_\_\_\_\_\_\_

12. During the video come up with two questions that you have about cells that were not answered.

1.

2.

***Research the Answer to your two questions after the video***