

Name: \_\_\_\_\_ Period: \_\_\_\_\_

## **Bill Nye: CELLS**

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

1. Why do organisms have many different kinds of cells? \_\_\_\_\_  
\_\_\_\_\_
2. Why are humans more like animals than plants? \_\_\_\_\_  
\_\_\_\_\_
3. Humans have about how many cells? \_\_\_\_\_
4. How does Bill describe growth? \_\_\_\_\_  
\_\_\_\_\_
5. Bill says that ALL cells have a nucleus. What do you think about that statement?  
\_\_\_\_\_  
\_\_\_\_\_
6. What is the job of mitochondria in cells? \_\_\_\_\_
7. \_\_\_\_\_ is the process of 1 cell becoming 2 cells.
8. What is the job of our genes? \_\_\_\_\_  
\_\_\_\_\_
9. \_\_\_\_\_ is our bodies fastest growing organ  
because we shed \_\_\_\_\_ of this type of cell every day.
10. Humans have \_\_\_\_\_ pair of chromosomes. (\_\_\_\_\_ total)
11. Name one large single cell that is very easy to see. \_\_\_\_\_

12. Why are red blood cells red? \_\_\_\_\_  
\_\_\_\_\_

13. What were they trying to demonstrate with the vanilla in the balloon?  
\_\_\_\_\_  
\_\_\_\_\_

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

15. List the items in the movie that are said to be "Alive or Not?"

Alive

Not Alive