

Name:

Period:

## Eye of Nye: Cloning Video Questions

1. What is a clone? \_\_\_\_\_
2. Using cloning as a form of regenerating cells for damaged tissues is viewed at which level?
  - a. Naked eye
  - b. Microscopic
  - c. Too small to even see
  - d. Macroscopic
3. The word clone comes from which Greek word? \_\_\_\_\_
4. If an organism is said to reproduce asexually, how would the offspring resemble the parent organism? \_\_\_\_\_
5. Can humans reproduce asexually? \_\_\_\_\_
6. Clones are genetically identical which means they look exactly the same, but why will they not necessarily have the same personality/actions? \_\_\_\_\_  
\_\_\_\_\_
7. During sexual reproduction, what percent of each parent's genetic information does the offspring receive? \_\_\_\_\_
8. Cells inside an organism's body that are not classified as sex cells (sperm and egg) are known as what type of cell? \_\_\_\_\_
9. How many cloning tries did it take to produce Dolly the cloned lamb? \_\_\_\_\_
10. What determines what an organism will finally look like? (Hint: Think specifically about the comparison of the sea squirt vs. humans). \_\_\_\_\_  
\_\_\_\_\_
11. What is the controversy associated with human cloning? \_\_\_\_\_  
\_\_\_\_\_
12. What are the two types of cloning? \_\_\_\_\_
13. What is an undifferentiated cell? \_\_\_\_\_

**Answer questions 14-16 after watching the video.**

-Over-

During the course of the video, Bill Nye asks a couple of open-ended questions. Please read each question carefully, think about how you feel regarding the situation, and answer each question using complete sentences that fully explains your reasoning.

14. Should we pursue cloning? \_\_\_\_\_

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15. Are we really ready to try cloning with humans? \_\_\_\_\_

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16. Would you say you are in favor of therapeutic genetic cloning? \_\_\_\_\_

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