

# Genes, genetics, and DNA movie

name \_\_\_\_\_ hr \_\_\_\_\_

1. What were the first life forms?
2. The thin ribbon like loop is a \_\_\_\_\_.
3. The separate instructions on the loop are called \_\_\_\_\_.
4. Single celled organisms need only \_\_\_\_\_ parent to reproduce.
5. Most multicelled organisms need \_\_\_\_\_ parents to reproduce.
6. When egg cells join with sperm cells this is called \_\_\_\_\_.
7. Humans have a total of \_\_\_\_\_ chromosomes.
8. Cell division is called \_\_\_\_\_.

## MENDELS HEREDITY LAWS:

9. Individuals carry two factors (genes) for each trait, but pass down only \_\_\_\_\_.
10. One of the factors is \_\_\_\_\_ over the other.
11. The rabbits that carry both a white and a black gene are called \_\_\_\_\_.
12. You can inherit some talents, but skills are not. You have to \_\_\_\_\_ hard to learn.
13. Deoxyribonucleic acid is called \_\_\_\_\_.
14. DNA looks like a twisted \_\_\_\_\_.
15. What are the four bases? (just write the initials).
16. Genetic engineering is when they remove a gene from one organism and put it into \_\_\_\_\_.
17. We can only identify bad genes. We hope in the future we can \_\_\_\_\_ bad genes.
18. Traits are passed down from generation to generation through \_\_\_\_\_.
19. \_\_\_\_\_ is the process of DNA making a perfect replica of itself.