Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_ Track \_\_\_\_ Core \_\_\_\_ Page \_\_\_\_\_

**Notes – Asexual and Sexual Reproduction**

**Directions: Use the article provided and notes from your binder to complete the notes.**

SWBAT: Compare and contrast the methods, advantages, and disadvantages of asexual and sexual reproduction.

1. Using your notes on Characteristics of Life from your binder, list out the five characteristics that all organisms have in common.

1. In your own words, explain why reproduction is necessary.
2. Using the article, what is the definition of *reproduction*?
3. What is the most important difference between asexual and sexual reproduction?
4. \_\_\_\_\_ \_\_\_\_\_ is the process when cells make copies of their DNA and divide in two.
5. Use context clues to define *daughter cells*.

Draw a picture to help you remember:

**Asexual Reproduction**

|  |  |  |  |
| --- | --- | --- | --- |
| Define *asexual reproduction*: | | | |
| Types: | Define: | Examples: | Picture: |
| Binary fission |  |  |  |
| Fragmentation |  |  |  |
| Budding |  |  |  |

1. What are the advantages and disadvantages to asexual reproduction?

|  |  |
| --- | --- |
| Advantages | Disadvantages |
|  |  |

**Sexual Reproduction**

1. Define *sexual reproduction*.
2. \_\_\_\_\_ are the specialized cells produced by males and females for reproduction. The male cells are \_\_\_\_\_ and the female cells are \_\_\_\_\_.
3. How are gametes different from all other cells in the body?
4. Draw a picture to illustrate the sperm and egg during fertilization that creates a zygote.
5. Give specific examples of organisms that reproduce sexually.
6. What are the advantages and disadvantages to sexual reproduction?

|  |  |
| --- | --- |
| Advantages | Disadvantages |
|  |  |

1. In your own words, explain why organisms that reproduce sexually are NOT identical to their parents or their siblings.