**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ On-Level Biology**

**Class Period: \_\_\_\_\_\_\_ Ms. Wagoner**

UNIT 1: CHARACTERISTICS OF LIFE NOTES

*Essential Question:*

**Warm-Ups**

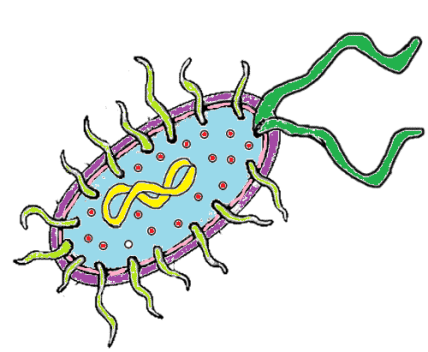
|  |  |  |  |
| --- | --- | --- | --- |
| *Date* | *Answer* | *Date* | *Answer* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Lab Safety**

-What lab safety rules are being violated in the cartoon below?



**Characteristics of Life**

*There are 7 characteristics that all living organisms share.*

-Characteristic #1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

🡪All living things are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

🡪Two types of cells:

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = no \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ surrounding DNA.

Examples:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

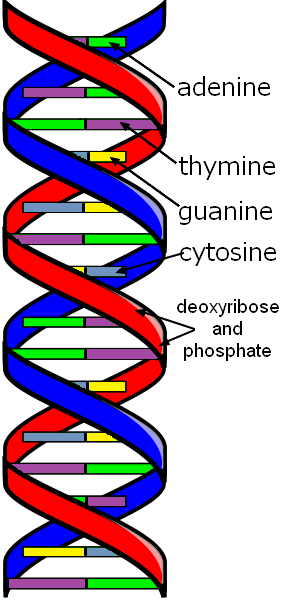
 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ surrounding \_\_\_\_\_.

Examples: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Characteristic #2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

🡪Organisms have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ over \_\_\_\_\_\_\_\_ (evolved) by \_\_\_\_\_\_\_\_\_\_\_\_\_ to their environments.

🡪This makes them \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ to live in their environment.



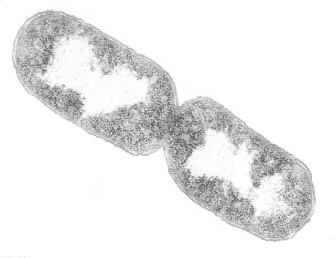
-Characteristic #3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

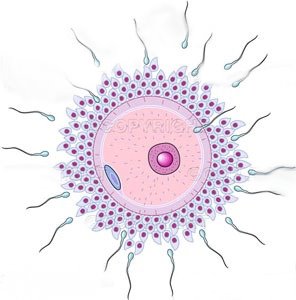
🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organisms pass \_\_\_\_\_\_\_\_\_\_\_ from parent to \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

🡪What is responsible for your traits? \_\_\_\_\_\_\_\_

🡪DNA is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Characteristic #4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 🡪Living organisms must \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to continue their \_\_\_\_\_\_\_\_\_\_\_\_\_.

 🡪Reproduction can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (bacteria) or sexual (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).

-Characteristic #5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

🡪Living \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ maintain a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ environment.

🡪Example: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

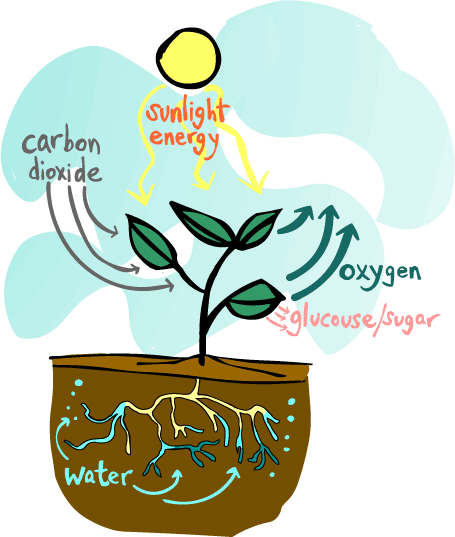
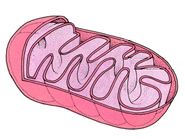
-Characteristic #6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

🡪There are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between organisms and they \_\_\_\_\_\_\_\_\_\_\_\_\_ to changes to their environment.

🡪Examples: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



-Characteristic #7: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

🡪Living organisms need to be able to \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, and use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.