**Characteristics of Life Notes**

**Do Now Video:** <http://www.youtube.com/watch?v=juxLuo-sH6M>

Answer the following questions with a “yes” or “no” response to the best of your abilities. We will discuss each question after the video.

|  |  |
| --- | --- |
| 1. Do all living things have to move? 2. Water moves, it is alive? 3. Do all living things reproduce? 4. Fire and clouds reproduce, are they alive? 5. Do all living things react to their surroundings (respond to stimuli)? 6. Sand, ice, and rock react to their surroundings, are they alive? | \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ |

**Part 2: Powerpoint**

**We now KNOW that the following are characteristics all living things have in common:**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Bacteria are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ meaning they are made of only one cell

The blue whale is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ meaning it is made of many cells

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organization can be found within a cell

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organization can be found in organ systems

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Growth is an increase in \_\_\_\_\_\_\_\_\_\_\_ or weight

Development is a change in \_\_\_\_\_\_\_\_\_\_\_\_

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Production of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (next generation)

Sexual reproduction is when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ information is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Asexual reproduction is when the same \_\_\_\_\_\_\_\_\_\_\_\_\_ information is used to make a \_\_\_\_\_\_\_\_

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a “cause” whereas a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an “effect”

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ environment is what is inside of an organism

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ environment is what is outside of an organism

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

All living things need \_\_\_\_\_\_\_\_\_\_\_\_ in one form or another

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ makes it own food

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ needs to eat to survive

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Homeostasis means maintaining its \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An example of homeostasis is when you are too hot, you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Adaptation and evolution does not happen within one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or lifespan

An adaptation is any \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ characteristic that results from changes to a species over \_\_\_\_\_\_\_\_\_\_