Name Block

Date Group #

Evolution Powerpoint Notes

Jean Baptiste de \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: proposed the first theory of evolutionary change (1801)

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-change is made by when an organism wants or needs it to happen
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-structure will change in size based on whether anatomy is used or not ex. giraffe stretching neck to reach leaves
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: if an organisms changes during its lifetime, the change will be passed on to offspring

\*\*\*LAMARCK WAS INCORRECT!\*\*\*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: proposed theory of evolution by natural selection

1. Living things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Offspring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in their traits.
3. There is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to survive.

(competition for \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_)

1. Survival of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How Do New Species Develop?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ -members of a population are separated so that they can no longer interbreed

-traits that were successful in old environment now may/may not be successful

-different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ may develop

What Are Some Processes of Genetic Change?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: the genes/traits that are best suited to environment will be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and those not suited will \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (organisms will the best adapted traits will have a better chance of reproducing and passing on traits)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: several species evolve from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-each species evolves traits best suited to their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: different species evolve features with similar \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ but different origins and structures

ex. Butterfly wing and bat wing (both used for flying but anatomically different