**Natural Selection & Evidence of Evolution Worksheet**

***Natural Selection:* Write the letter of the correct definition in the blank space on the left.**

1. \_\_\_\_\_\_ adaptation a) inherited characteristic that increases chances of survival

2. \_\_\_\_\_\_ competition b) organisms with traits well suited to their environment survive

and reproduce at a greater rate than less well-adapted organismsin the same environment.

3. \_\_\_\_\_\_ natural selection c) a growing population causes a scarcity of resources

4. \_\_\_\_\_\_ fitness d) changes in the DNA sequences

5. \_\_\_\_\_\_ variation e) ability to survive and reproduce in a specific environment.

*Evolutionary Evidence:* Write the letter of the correct definition in the blank space on the left.

6. \_\_\_\_\_\_ vestigial structure a) remains of dead organisms

7. \_\_\_\_\_\_ homologous structures b) similarities and differences in amino acid sequences

between organisms.

8. \_\_\_\_\_\_ DNA sequence c) related organisms have the same bone makeup.

9. \_\_\_\_\_\_ fossil record d) in the early stages of development dogs, pigs, and

humans resemble one another.

10. \_\_\_\_\_\_ embryology e) structures that have reduced in size because they no

longer serve an important function

***Fill in the blank* using the vocabulary terms in the box.**

variation

biodiversity

genotype

natural selection

common ancestor

phenotype

adaptation

isolation

interbreed

Natural selection could not occur without \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and acts on a(n)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. A trait that makes a species better suited to survive in its environment is called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. A species is an organism that has different features

and can not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with other organisms. All the evolutionary

evidence including fossils point to organisms having a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Having a lot of different species living in a habitat is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**What are the four principles of natural selection?**