Full Name:_____ **Date:** _____

Grade: 12 Section:_____**Subject: Biology 3rd Quarter worksheet 2**

Direction I: Answer the following questions Accordingly.

1. What percentage of the amount of carbon – 14 originally present in a fossil would be left after its fifth half life?
2. Why do you think that radio carbon dating becomes less accurate with older fossils?
3. Why are fossils of soft – bodies organisms usually relatively rare in the environment?
4. Explain the difference between category -1 and category -2 fossils, and show the outline of the stages of fossil formation.
5. How does the concept of descent with modification explain both the unity and diversity of life?
6. Explain how the following statement is inaccurate "Anti retroviral drugs have created drug resistance in the HIV virus".
7. The forelimbs of humans, bats and whales are homologues structures with similar basic anatomy, but whales forelimb is very different from that of bats and humans. explain why?
8. Sparrows with average sized wings survive severe storms better than those with longer or shorter wings. This illustrates _____
9. What is the difference between sympatric ad allopatric speciation? which is more common? Why?
10. Which processes of evolution best explains the phenomenon known as industrial melanism?
11. Inspite of their ability to form hybrids when mated, what factors is more important to keep the horse & the donkey as separate species?
12. What is the difference between hominids and hominin?
13. Mention the three major human races which of the races has the largest proportion of the world's population?
14. What is special about Austroloids, the Bushmen and the central Africa pigmies?
15. Describe skeletal and skull differences between
    i) Apes and Hominids
    ii) Homo habilis and Homo erectus
    iii) Homo neandertals and Homo sapiens