

REVIEW WORKSHEET: EVOLUTION

Evolution

1. **Define/ know:** a)evolution, b)theory, c)fossil, d)adaptation, e)natural selections, f)artificial selection, g)gene pool, h)speciation, i)genetic drift, j)reproductive isolation, k)Geographic isolation, l)variations, m)Carrying Capacity, n)Vestigial structures, o)natural selection, p)selected upon (favored/best fit), q)mutation, r)variation, s)extinct, t)Common ancestor u) Homologous structures

Make at least 5 flash cards of the above terms.

2. Who was Charles Darwin and what is the title of the book that he presented his theory in? Was information on Genes and Genetics available at this time?
3. What Island did Darwin find evidence for his ideas on Evolution?
4. Explain Darwin's theory of Natural Selection? How did he use the fossil, vestigial, and homologous structures as evidences for this theory?
5. How are fossils formed?
6. How does sexual reproduction affect evolution in comparison to asexual reproduction?
7. What were Lamarck's assumptions? Which one(s) are considered to be correct today?
8. Which variation of the peppered moth is most fit for an unpolluted forest? ...a polluted forest?
9. What was the Eocene Epoch's biome? ... the Pleistocene Epoch's biome? How many toes did the Eocene horse have? ... the Pleistocene Horse? Why did the horse get bigger?
10. What causes competition within a population? What happens to the population as a result of competition?
11. What is speciation and how does genetic drift cause changes in populations?
12. Does natural selection act on phenotypes or genotypes?

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