**Evolution - Tree of Life – Documentary**

1. In 1831 a boat, HMS beagle, set sail to travel around the world. Someone significant was on it. Who?
2. Which islands of significance did the boat reach?
3. Just by looking at a tortoise’s shell a priest said he could determine what?
4. Who had the same theory as Darwin yet did not gather scientific data?
5. “Only the fittest survive” What did Darwin name this phrase?
6. All dogs are descendent of one particular animal, what was it?
7. Can all dog species interbreed?
8. What about Darwin’s wife’s background caused her to have a problem with Darwin’s work?
9. Darwin’s” origin of species” book caused an outrage. Owen a rival of Darwin did not deny that life was varied and sequenced, however he believe that each were separate, divinely create. What did Darwin believe alternatively?
10. One day Owen found a fossil of great importance. It looked like a bird with claws at the front of the wing, yet was part reptile. It posed a link to reptiles and birds! What animal native to Australia can also pose such a link? What does this animal have that is evidential to this link?
11. How are animals (eg. Frogs) who clearly cannot migrate across vast seas be found in different and distant part of the world? What is the explanation to solve this problem?
12. Explain in your own words, the incremental evolutionary stages of the eye. In each stage discuss the improvements and the advantages over the previous stage. Use organism and animals as evidence for these various stages.
13. Mr Gregory Mendel! What did he discover?
14. We can now take out the gene of one animal and put it in another through genetic engineering. How did the documentary illustrate this as evidence?
15. Looking at genes what are some things it can reveal (explained by the documentary)?
16. The process of evolution started with microscopic cells. List in order some stages that outlines the progress in the documentary?