

FIGURE 5.1. Vertical inheritance as represented in the only figure in *On the Origin of Species*. The evolution of species over time is represented by the branching of the tree with a single species species of the control of the

giving rise to one or more descendent species. The descendent species inherit traits from the parental species in the form of "vertical" inheritance. Modern species are represented by a^{10} , f^{10} , and m^{10} with all other lineages having become extinct. a^{10} and f^{10} can trace their ancestry to a common ancestral species a^{5} . In turn, a^{10} and f^{10} can jointly trace their common ancestry with m^{10} to the species at the bottom of the figure.

5.1, reprinted from Darwin C., On the Origin of Species

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