

parts preserving life, while the others perish that were cut away; but the earth-worm, and all the zoophyte tribe, continue to live in separate parts, and one animal, by the means of cutting, is divided into two distinct existences, sometimes into a thousand.

Spalanzani tried several experiments upon the earth-worm, many of which succeeded according to his expectation; every earth-worm, however, did not retain the vital principle with the same obstinacy; some, when cut in two, were entirely destroyed; others survived only in the nobler parts, and, while the head was living, the tail entirely perished, and a new one was seen to bud from the extremity. But, what was most surprising in some, particularly in the small red-headed earth-worm, was that both extremities survived the operation: the head produced a tail with the anus, the intestines, the annular muscle, and the prickly beards; the tail part, on the other hand, was seen to shoot forth the nobler organs, and in less than the space of three months sent forth a head and heart with all the apparatus and instruments of generation. This part, as may easily be supposed, was produced much more slowly than the former, a new head taken above
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