

Additional file 3: Two Example Pages of the Worked Example used in Sim-Interpret Intervention

The original worked example (in German language) started with a question similar to the question from the EvoSketch Worksheet: Why does a line change that has been copied over 20 generations with all its differences? Then, learners are guided to the answer in a stepwise solution. After each step additional information are provided to understand the processes of evolutionary changes (i.e., variation across individuals/offspring, different survival and reproduction success, impact on biological fitness). Each solution step is build up in a similar way: At first, (A) the solution step followed by (B) an explanation of how this step is related to EvoSketch simulations, and at last, (C) additional information concerning the relevant concepts (i.e., variability of individuals) such as mutation and recombination (see also Figure S3-1).

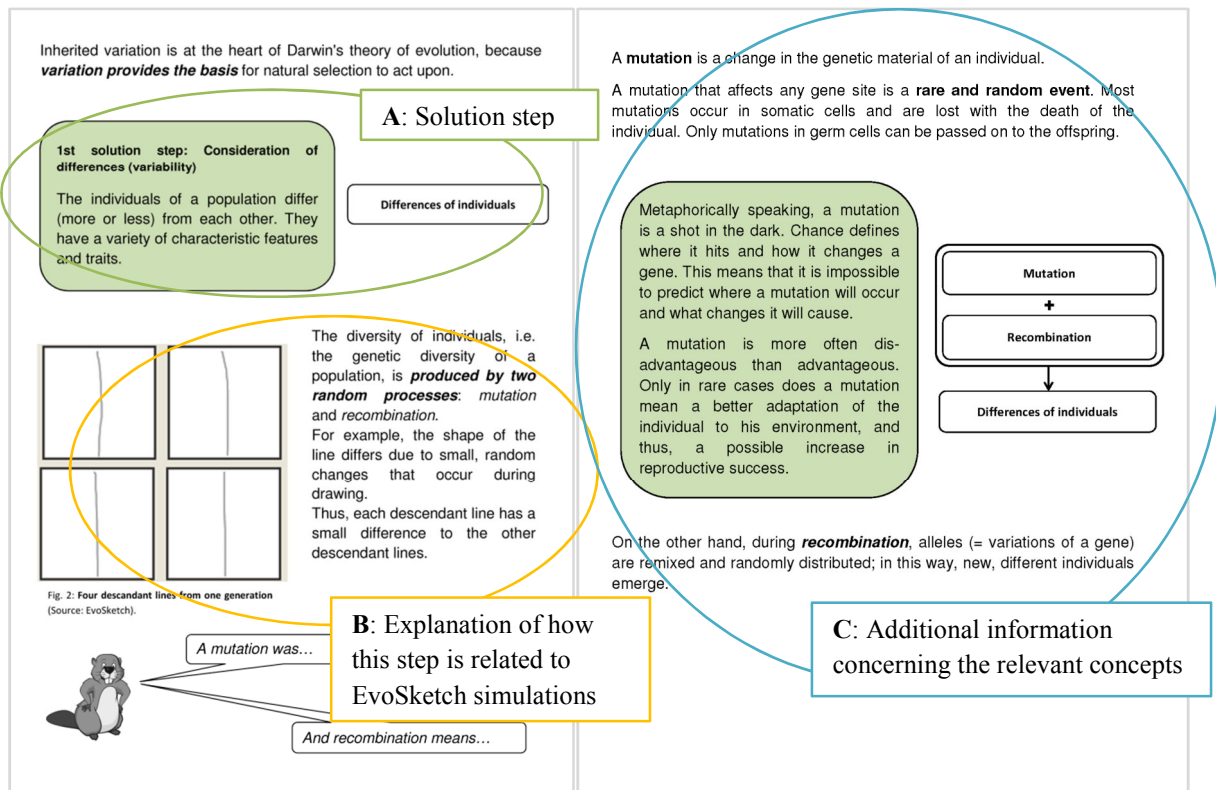


Figure S3-1 Two example pages of the worked example used in the sim-interpret intervention (here translated into English; the original worked example was presented in German language).