

Supplemental Material

CBE—Life Sciences Education

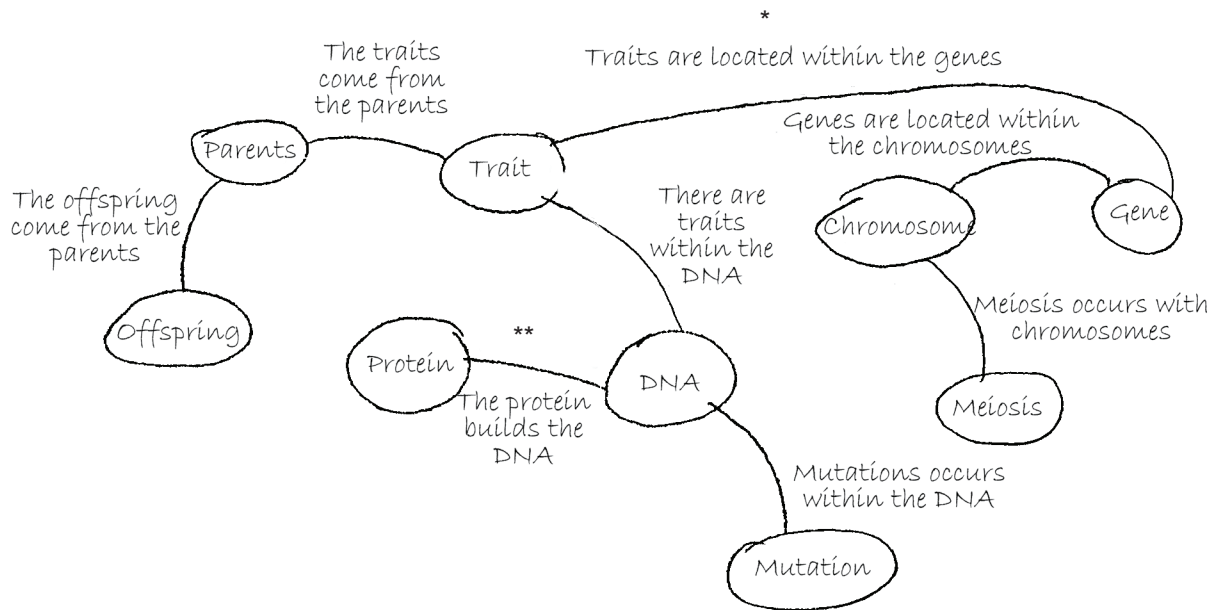
Haskel-Ittah and Yarden

Supplemental materials

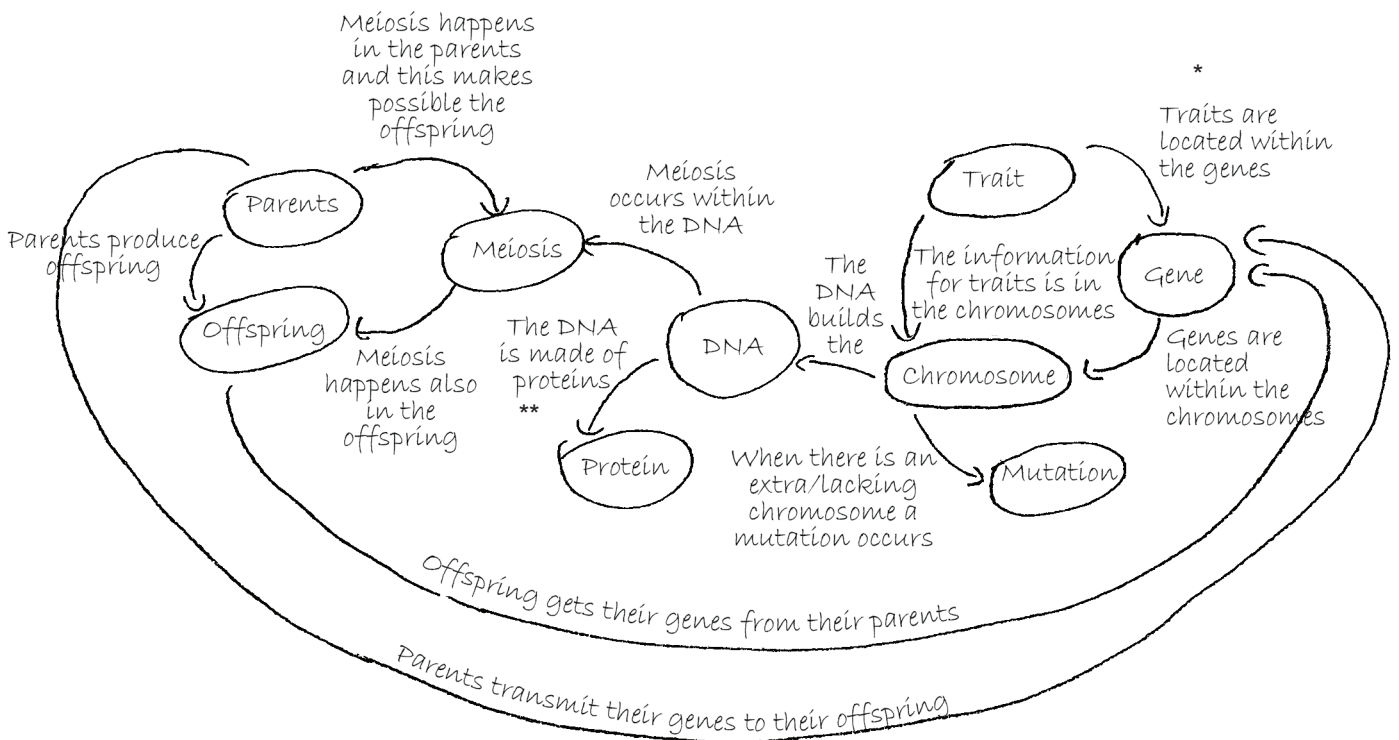
Representative concept maps.

Student A had a non-mechanistic conception of the relationships between genes and traits both in pre-test and post-test (marked with *). This student also linked DNA to protein in an incorrect manner in the pretest and the posttest (marked with **). Student B had a mechanistic conception of the relationships between genes and traits already in the pre-test (marked with #). This student linked DNA to protein in an incorrect manner in the pretest, this was changed in the posttest (marked with ##).

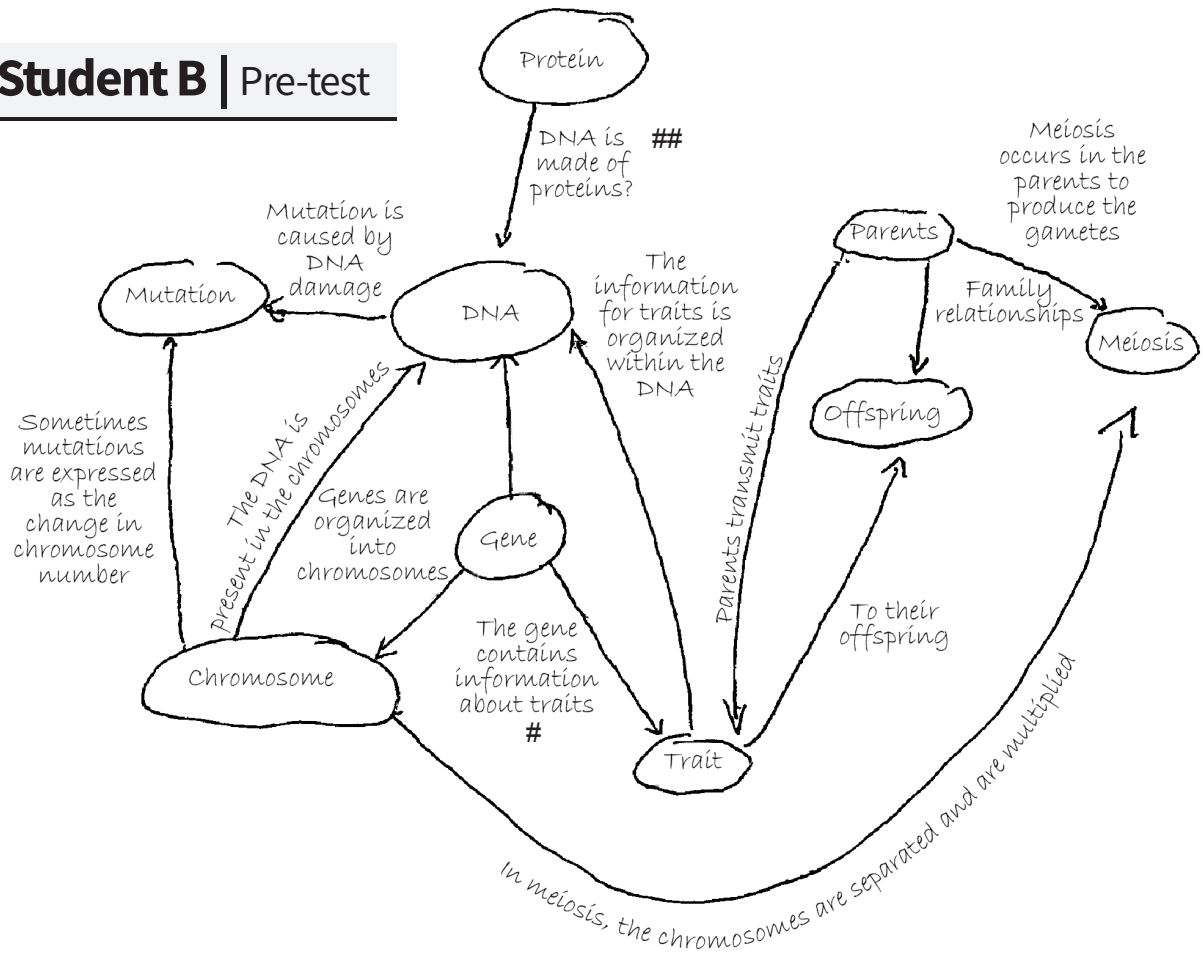
Student A | Pre-test



Student A | Post-test



Student B | Pre-test



Student B | Post-test

