



## Science Toolkit: Grade 7 Objective 3.C.1.a

Student Handout: Science: Grade 7 Objective 3.C.1.a

Standard 3.0 Life Science

Topic C. Genetics

Indicator 1. Explain the ways that genetic information is passed from parent to offspring in different organisms.

Objective a. Investigate and explain that in some kinds of organisms, all the genes come from a single parent, whereas in organisms that have sexes, typically half of the genes come from each parent.

Selected Response (SR) Item

Question

During sexual reproduction one sperm cell unites with one egg cell to produce a fertilized egg that develops into a new organism.

Which of the following statements best describes how an offspring receives genetic information from its parents?

- A. The offspring receives half of its genes from each parent.
- B. The offspring receives all the genes from each parent.
- C. The offspring receives more genes from the male parent than from the female parent.
- D. The offspring receives more genes from the female parent than from the male parent.

Correct Answer

- A. The offspring receives half of its genes from each parent.

Question

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