



Science Toolkit: Grade 7 Objective 3.C.1.b

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

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 b. Investigate and explain that in sexual reproduction, a single specialized cell from a female (egg) merges with a specialized cell from a male (sperm) and the fertilized egg now has genetic information from each parent, that multiplies to form the complete organism composed of about a trillion cells, each of which contains the same genetic information.

Selected Response (SR) Item

Question

A puppy has traits from its mother and its father.

Which of these structures provides genetic information from the father to the puppy?

- A. a muscle cell
- B. a nerve cell
- C. a blood cell
- D. a sperm cell

Correct Answer

D. a sperm cell

Question

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