

Hangman: Cell Division and Biological Diversity

This hangman game reviews vocabulary from the Grade 9 Biological Diversity unit. In this unit, students learn how cell division and reproduction pass characteristics from one generation to the next ([Topic](#)). The words test key terms about how cells divide to produce identical daughter cells. They also cover how new organisms begin life. This includes the distinction between division that copies a cell and division that leads to the formation of sex cells and fertilization ([Outcome](#)). Some words also connect to how simple organisms multiply without a partner. Asexual reproduction is covered alongside sexual reproduction in this unit([Outcome](#)).

How to play

- There are 4 words to guess, one per round. Each blank stands for one letter.
- Guess one letter at a time. If it is in the word, write it in every blank where it belongs; if not, write it in the wrong-guess spaces.
- You have 6 wrong guesses per round. Use the clue when you are stuck. The answer key gives all 4 words.

Puzzles

Round 1 (7 letters)

M _ _ _ _ _ _ _

Clue: Cell division that produces two identical daughter cells

Wrong guesses: _ _ _ _ _ _ _

Round 2 (11 letters)

C _ _ _ _ _ _ _ _ _ _ _

Clue: Structures in a cell nucleus that carry genetic information

Wrong guesses: _ _ _ _ _ _ _

Round 3 (7 letters)

F _ _ _ _ _ _

Clue: A method of asexual reproduction where a cell splits into two

Wrong guesses: _ _ _ _ _ _ _

Round 4 (6 letters)

Z _ _ _ _ _

Clue: The cell formed when a sperm and egg cell fuse together

Wrong guesses: _ _ _ _ _ _ _

Answer key

- Round 1: **MITOSIS**
- Round 2: **CHROMOSOMES**

- Round 3: **FISSION**
- Round 4: **ZYGOTE**

Note: 1 learning outcome block was left out to fit the 4000-token curriculum budget for this kind of material. Use "Split into parts" to generate one document per organizing idea.