

Honors Science 8



Life Science: Reproduction

Honors Science 8 Curriculum

Power Objective

P.O. #9: Compare the results of reproductive processes. (P.O. #9 Proficiency Rubric)

Academic Vocabulary

☐ sexual reproduction	☐ meiosis	☐ chromosome
☐ asexual reproduction	☐ parent cell	☐ Vegetative propagation
☐ mitosis	☐ daughter cell	☐ sperm
☐ DNA	☐ budding	☐ binary fission
☐ prophase	☐ metaphase	☐ anaphase
☐ telophase	☐ cytokinesis	☐ fertilization

Enduring Understandings

Students understand that...

- There are different way organisms pass on information to their offspring.
- Asexual reproduction results in offspring that are identical to their parents via mitosis.
- Sexual reproduction results in variation amongst offspring as offspring are a random combination of both parents traits.
- Gametes are produced through a process known as meiosis.

Essential Question

- How does a species continue to exist?
- Why do some species reproduce differently than others?