

SUPPLEMENTAL LESSONS

Science Grade 7
2nd Quarter



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2nd Quarter Grade 7

Revised Standards on Heredity

Learning Competency: Differentiate asexual from sexual reproduction in terms of:

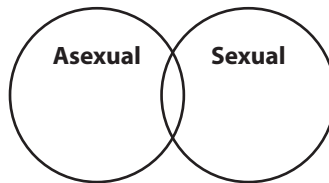
- Number of Individuals Involved
- Similarities of Offsprings to Parents

Lesson Focus: Sexual and Asexual Reproduction

I. Introduction

Eliciting Prior Knowledge

Self-assessment: Compare and contrast asexual and sexual reproduction by using a Venn diagram.



The students may add information in the Venn diagram as the activity progresses.

II. Body/Development of the Lesson

A. Group Mix-N-Match

- Divide the class into four groups.
- Distribute to the groups pictures of living organisms that reproduce sexually and asexually. Allow the students to place the pictures under the correct heading: Asexual Reproduction and Sexual Reproduction.
- Create a list of general characteristics for organisms that reproduce sexually and asexually.
- Discuss asexual and sexual reproduction and give examples for each.

B. Table Completion

Use the following table to differentiate sexual from asexual reproduction:

	Sexual	Asexual
Relative complexity of organism (including size)		
Number of parents who contribute to the genetic information of the offsprings		
Reproductive mechanism		
Relative amount of parental care		
Genetic variation in offspring		

Source: <http://learn.genetics.utah.edu/content/begin/traits/ReproductiveStrategies.pdf>

C. Critical Thinking Questions

Discuss the advantages and disadvantages of each mode of reproduction.

- Are there organisms that can reproduce both sexually and asexually?
- In which type of situations or conditions would sexual reproduction be most advantageous? Most disadvantageous? Why?
- In which type of situations or conditions would asexual reproduction be most advantageous? Most disadvantageous? Why?
- Do you think one reproduction mode is generally better than the other? Why?

III. Conclusion

Paragraph Completion:

Sexual reproduction is

Asexual reproduction is

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