

## Cornell Notes

Name: _____	Topic/Objective: _____
Class/Period: _____	Date: _____

Essential Question: What are the various types of asexual reproduction and how does it impact species chances of survival?

<b>Questions</b>	
What is Asexual Reproduction?	Reproduction with only ___ parent, and the offspring are an _____ copy of the parent --- a _____. So there is not much _____.
What are some methods of Asexual reproduction?	Four methods are: _____, _____, _____, _____ and _____.
What is Binary fission?	When single-_____ organisms, like _____ divide into _____ halves. When conditions are good, such as _____, this is a good way to make many _____.
What is Budding?	When an _____ grows _____ of the _____ of the parent. Some examples: _____
What is Fragmentation?	When the _____ of the parent _____ into distinct pieces, and the pieces make an _____. Some animal examples: _____. Some _____ can grow from cuttings. Other ways plants can asexually reproduce: _____
What is Parthenogenesis?	Females make _____ that develop without _____. Some examples: _____ There are no known cases of this in _____

Summary

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**Essential Question:** What are the various types of sexual reproduction and how does it impact species chances of survival?

<p>What is sexual reproduction?</p>	<p>Reproduction with ___ parents, a male for _____, and a female for an _____. When the egg and sperm join they form a new o_____ called a z_____.</p>
<p>How does sexual reproduction lead to genetic variation? <i>Sex cells are created through the process called meiosis.</i></p>	<p>The offspring receive h____the g_____ material from each p_____, so they are different from the parents.</p>
<p>Methods of sexual reproduction: What is pollination?</p>	<p>Pollen is made by the m____ organs of flowers, and pollination occurs when p_____ is transferred from the a_____ to the female s_____ and then the egg.</p>
<p>What is External fertilization?</p>	<p>When f_____ occurs o_____ the organism. For example, some f_____ lay their e____ in water, later the male fish squirts s_____ in the area.</p>
<p>What is internal fertilization?</p>	<p>When f_____ occurs in the f_____.</p>

**Answer to the essential question:** \_\_\_\_\_

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