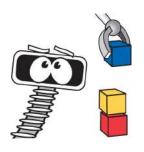
7.14B: ReproductionOrganisms and Environments



CONCEPTBUIDER

STUDENT PAGES

Name:	: Date:	

Offspring-Uniform or Diverse

Materials (per group): Mission: In this activity, you will compare and contrast sexual reproduction to asexual reproduction using a Venn diagram. Paper The following items placed in the correct area Pencil/pen of the Venn Diagram: New organism Cutting of Ivy (plant) rooted in water One-celled organism dividing into two A Puppy A chickens egg To complete your mission, Uniform genetic material include the Diverse genetic material following: One parent Two parents Genetic material **Prokaryotic Cells Eukaryotic Cells** Offspring produced DNA

Draw two overlapping circles that take up most of your paper to make the Venn Diagram. Label one of the circles "Asexual Reproduction" and the other circle, "Sexual Reproduction." Write each item on the list in the correct circle or intersection of the circles. If the item can be in either asexual or sexual reproduction it will go in the intersection.





Offspring-Uniform or Diverse

Name: Date:

Rubric and Grade Sheet							
Category	Exceeds Expectations 3 points	Meets Expectations 2 points	Below Expectations 1 point	SCORE	Teacher Comments		
Content Mastery	Included detail on all components and Key Concepts.	Included some detail on most components and Key Concepts.	Included l ittle to no detail on components and Key Concepts.				
Vocabulary	Student correctly used all vocabulary and supported all content .	Student correctly used most vocabulary and supported most content.	Student correctly used little to no vocabulary and did not support content .				
Research	All information is accurate and is taken from at least 4 sources.	Most information is accurate and is taken from 2-3 sources.	Little to no information is accurate and is taken from one to no sources.				
Product	Final product is attractive and all components are easily identified	Final product is somewhat attractive and most components are easily identifiable.	Final product is not presented well, and components are difficult to identify.				
Oral Presentation	The student can clearly dialogue about the project and is able to convey their ideas in an organized manner	The student can somewhat dialogue about the project and can somewhat convey their ideas in an organized manner	The student cannot clearly dialogue about the project and their ideas are not conveyed in an organized manner				

Mission Assessment:

- 1. In your own words, explain when it would be better for an organism to be genetically diverse from sexual reproduction.
- 2. In your own words, explain when it would be better for an organism to be genetically uniform from asexual reproduction.



