

Date:

High School Biology

Asexual reproduction worksheet

1. Explain what asexual reproduction is, using a spider plant as an example.						
2.	Name two other organisms that reproduce asexually.					
3.	Complete the following sentences using the words in the box below.					
	a) In reproduction, the cells of the offspring are produced by					
	from the parent cells. This means the in these cells are					
	identical to the parent plant.					
	b) The new organism is a of the original.					
	asexual mitosis alleles parent clone osmosis					



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4.	Describe how to clone a spider plant using the process of tissue culture.				
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5.	Why is cloning a plant easier than cloning an animal? Use the following terms in your answer: stem cells, specific cells, differentiation.				
6.	Human clones are commonplace in our society.				
	a) What are they more commonly called?				
	h) Describe the natural present that exectes a human clans				
	b) Describe the natural process that creates a human clone.				



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	 Give two reasons why many people believe that artificial human cloning is not ethically acceptable. 					
7	Dol	lly the sheep, born in 1996, was the first mammal to be cloned from an adult cell.				
•		Give one disadvantage or risk of cloning an animal.				
	b)	List two ways in which cloning an animal could be advantageous to humans.				
8.	fol	plain the process of nuclear transfer that was used to produce Dolly. Include the lowing terms: nucleus, egg cell, enucleated, division, electric current, udder cell, IA, surrogate, embryo.				

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