## Comparing Sexual and Asexual Reproduction

Asexual Reproduction	Sexual Reproduction
One parent	Two parents
Offspring genetically identical to parent	Each parent contributes one-half the genetic
	information to offspring
All genetic information is passed to	Offspring has combination of genes from
offspring from one parent	both parents
Genetic differences are rare and come	Allows greater genetic variation since
from mutations	offspring will always differ from parents and
	other offspring

## Asexual Reproduction

Advantages	Disadvantages
There is no need to find a partner	Reduced genetic variability
Less energy is required to produce	Sensitive to environmental changes
offspring asexually	
Offspring are usually well adapted to the	An asexual species runs the risk of suddenly
environment because of the success of	disappearing because of a catastrophe that
the parent	affects all organisms of the species that are
	genetically identical

## Sexual Reproduction

Advantages	Disadvantages
Produces a new organism results from a	Finding a reproductive partner and producing
combination of traits of two parents	gametes requires the output of a lot of
	energy
It increases the genetic viability in	Genetic "errors" happen more frequently
organisms of the same species and even	because meiosis is more complex than mitosis
within the offspring of one couple	and diploid organisms have more chromosomes
	to double
In the long run, allows the best	
adaptations to be widespread within a	
species, especially in changing	
circumstances	
Two parents can watch over offspring	