

Appendix A

Modes of Reproduction

Modes of Reproduction

	Types	Description	Representative Example
Asexual <i>One Parent cell divides by mitosis to produce 2 identical cells which are clones of the parent.</i>	Budding	An outgrowth on the parent organism develops into a new organism that separates from the parent.	Ultimately, yeast, and hydra
	Binary Fission	Through mitotic cell division copies of the parent are made the parent "splits" to create new cells.	Bacteria
	Spore Production	Through mitotic cell division copies of the parent are made the parent "splits" to create offspring.	Fungi eg. Rhizopus
	Fragmentation	Pieces of the parent organism break off and are dispersed. Each section is able to form a new organism.	House Plants grown from cuttings
	Parthenogenesis	Through mitotic cell division offspring are produced from unfertilized eggs.	Some insects eg. Balsam Wolly aphid
Sexual	<i>New offspring are created as a result of the fusion of egg and sperm nuclei. The offspring resemble but are not identical to the parents.</i>		

