

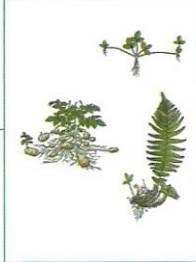


# WHAT SHOULD YOU KNOW?

REPRODUCTION IN ANIMALS	<b>Asexual</b>	<p>There are two main types of asexual reproduction in animals:</p> <ul style="list-style-type: none"> <li>• <b>Fragmentation:</b> Division of the progenitor's body in various fragments, creating new individuals.</li> <li>• <b>Gemmatation:</b> Small buds appear on the body of the progenitor. These buds may separate from the parent or remain joined and form a colony.</li> </ul>	
	<b>Sexual</b>	<p>Sexual reproduction requires two members of the opposite sex, a <b>male</b> and a <b>female</b>. They have different reproductive organs called <b>gonads</b>. The <b>male gonads</b> are the <b>testicles</b>, where <b>spermatozoa</b> are produced.</p> <p>The <b>female gonads</b> are the <b>ovaries</b>, where <b>ova</b> are produced.</p> <p><b>Fertilisation</b> is the union of an ovum and a spermatozoon to form a <b>zygote</b>.</p> <p>During <b>embryonic development</b>, the zygote develops until it becomes a completely formed animal.</p>	
REPRODUCTION IN PLANTS	<b>Asexual</b>	<p>Two main types:</p> <ul style="list-style-type: none"> <li>• <b>Vegetative reproduction</b> occurs when plants create new individuals from a particular organ, mainly the stem. This occurs through stolons, bulbs, stem tubers and rhizomes.</li> <li>• <b>Spore formation</b> occurs when a cell from an individual divides repeatedly, and various daughter cells - <b>spores</b> - are formed. These individual cells alone create new plants.</li> </ul>	
	<b>Sexual</b>	<p>Sexual reproduction in plants with seeds has various stages:</p> <p><b>Pollination.</b> Pollen is transported from the stamens to the pistil.</p> <p><b>Fertilisation.</b> The male and female gametes fuse to form the zygote inside the ovary. The zygote grows into an embryo. The ripened ovule becomes the seed which contains the embryo.</p> <p><b>Formation of the fruit.</b> The fruit originates from the ripened ovary. Its function is to protect and disperse the seed.</p>	