

**Table 2: Plants Worksheet**

Characteristics	Bryophyta	Tracheophyta		
		Ferns and fern allies	Gymnosperms	Angiosperms
<b>Vascular vs nonvascular structure</b>	<p><i>lack true roots, stems and leaves</i></p> <p><i>small in size</i></p> <p><i>transport through diffusion</i></p> <p><i>no internal support</i></p>	<p><i>vascular tissue provides support and aids in transport</i></p> <p><i>possess true roots, stems and leaves</i></p>	<p><i>vascular tissue provides support and aids in transport</i></p> <p><i>possess true roots, stems and leaves</i></p>	<p><i>vascular tissue provides support and aids in transport</i></p> <p><i>possess true roots, stems and leaves</i></p>
<b>Dependency on water</b>	<i>yes, for movement of sperm</i>	<i>yes, for movement of sperm</i>	<i>no</i>	<i>no</i>
<b>Dominant generation</b>	<i>gametophyte</i>	<i>sporophyte</i>	<i>sporophyte</i>	<i>sporophyte</i>
<b>Reproduction</b>	<p><i>depends on water for movement of sperm to egg</i></p> <p><i>no protection of egg</i></p>	<p><i>depends on water for movement of sperm to egg</i></p> <p><i>no protection of egg</i></p>	<p><i>wind and insects are used to move sperm to egg</i></p> <p><i>seed is produced in a cone that is not covered by a fruit</i></p>	<p><i>wind and insects are used to move sperm to egg</i></p> <p><i>seed is produced in a flower that is covered by a fruit</i></p>
<b>Examples</b>	<i>mosses, liverworts and hornworts</i>	<i>ferns, whisk ferns, club mosses, horsetails</i>	<i>evergreens/conifers</i>	<i>deciduous trees, heaths, roses, peas, magnolias, dandelions</i>