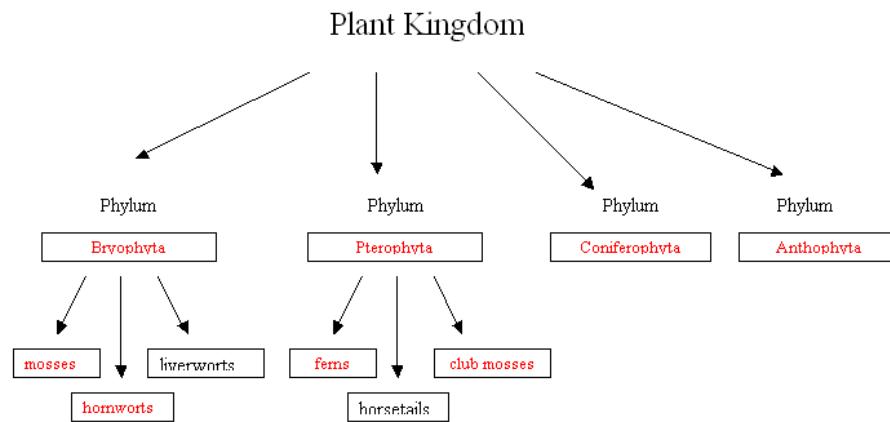


Review – Test #5 - KEY
Kingdom Plantae

Terms to Know

| | | | |
|-----------------|-------------|---------------|-------------------|
| multicellular | sporophyte | Ginkophyta | petal |
| cell wall | gametophyte | Coniferophyta | monocot |
| cellulose | haploid | conifer | dicot |
| autotrophic | diploid | cuticle | cotyledon |
| chlorophyll | rhizoid | pollination | leaf veins |
| Bryophyta | ferns | pollen cone | floral parts |
| Pterophyta | horsetails | pollen grain | vascular bundles |
| Coniferophyta | club mosses | seed cone | woody plants |
| Anthophyta | rhizome | pollen tube | herbaceous plants |
| angiosperm | root | sperm cell | annuals |
| gymnosperm | frond | egg | perennials |
| vascular tissue | petiole | filament | biennials |
| xylem | blade | anther | cytokinins |
| phloem | sorus | stamen | auxins |
| osmosis | embryo | stigma | gibberellins |
| mosses | seed | style | transpiration |
| liverworts | seed coat | ovary | translocation |
| hornworts | Gnetophyta | carpel | tropism |
| spore | Cycadophyta | ovule | phototropism |
| | | sepal | gravitropism |
| | | stomata | thigmotropism |

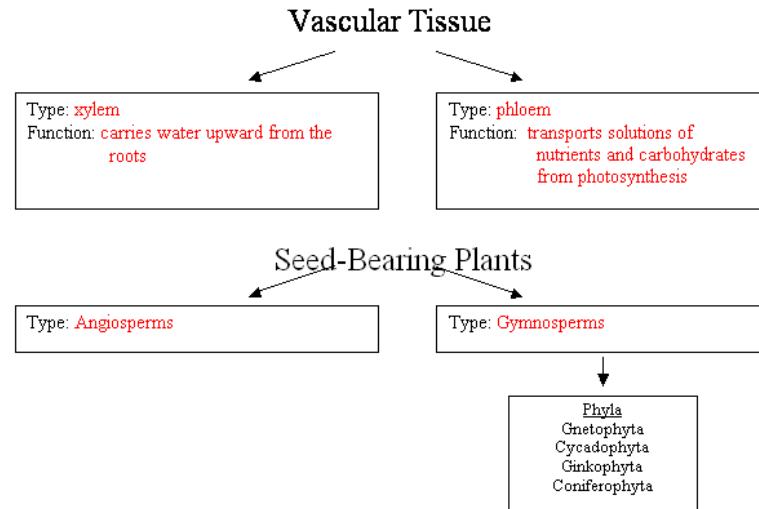


Indicate which choice is correct for each phylum.

| Phylum | Bryophyta | Pterophyta | Coniferophyta | Anthophyta |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Spores | Yes/No | Yes/No | Yes/No | Yes/No |
| Seeds | Yes/No | Yes/No | Yes/No | Yes/No |
| Vascular Tissue | Yes/No | Yes/No | Yes/No | Yes/No |
| Dominant Stage of Lifecycle | gametophyte or sporophyte | gametophyte or sporophyte | gametophyte or sporophyte | gametophyte or sporophyte |

Three Features of the Four Plant Phyla

1. water-conducting tissue
2. seeds
3. flowers

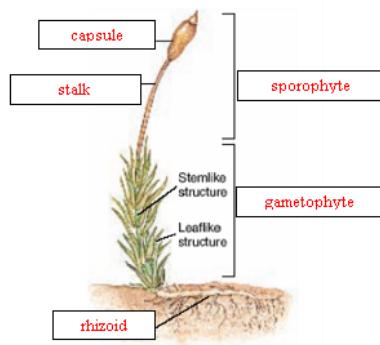


| Characteristics | Monocots | Dicots |
|-------------------|------------------------|---------------------|
| # of Cotyledons | 1 | 2 |
| # of Floral Parts | multiples of 3 | multiples of 4 or 5 |
| Leaf Veins | parallel leaf veins | netlike leaf veins |
| Vascular Bundles | spread throughout stem | arranged in rings |

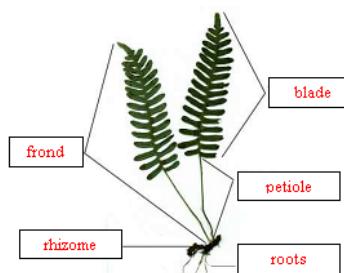
| Plant Hormones | Function |
|----------------|--------------------------------------|
| cytokinins | make plants wider |
| auxins | make plants taller |
| giberrellins | make stems, flowers and fruit larger |

| Types of Transport in Plants | Description |
|------------------------------|--|
| transpiration | movement of water through stomata |
| translocation | movement of food through phloem |
| tropism | movement of a plant toward or away from a stimulus |
| ----- | |
| phototropism | light |
| gravitropism | gravity |
| thigmotropism | touch |

Label the parts of the bryophyte shown below.



Label the parts of the fern shown below.



Label the parts of the angiosperm shown below.

