

Gymnosperm & Angiosperm Review Sheet

1. Define:

- Gymnosperms
 - Angiosperms
 - Pollination
 - Fertilization
 - Monocots
 - Dicots
 - Megaspore
 - Microspore
 - Pollen tube
 - Xylem
 - Phloem
 - Cuticle
 - Stoma
 - Epidermis
 - Parenchyma
 - Endodermis
 - Meristem
 - Apical meristem – primary growth
 - Lateral meristem – secondary growth
 - Cotyledon
 - Stamen
 - Anther
 - Filament
 - Stigma
 - Style
 - Ovary
 - Ovule
 - Pistil
 - Sepal
 - Seed coat (testa)
2. Gymnosperm characteristics
 3. Gymnosperm Alternation of Generations (life cycle)
 4. Explain the four seed dispersal methods and why seed dispersal is important
 5. Pollen dispersal methods, does wind or animal pollinated flowers produce more pollen / which is more random?
 6. What is the function of the pollen tube?
 7. Angiosperm characteristics and reproduction (life cycle)
 8. Monocot and dicot characteristics – compare and contrast
 9. Diagram of complete flower and function of each part
 10. Adaptations of seed plants to land
 11. Seed parts (diagram) – what do the parts develop into in the adult plant
 12. Explain the difference between pollination & fertilization
 13. Explain the economic & ecological roles of gymnosperms