

ANATOMY IN FLOWERING PLANTS
WORKSHEET- 7

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| 1 | Name the two types of sclerenchyma. | 1 |
| 2 | What are trichomes? Write their function. | 1 |
| 3 | List the three tissue systems in plants. | 1 |
| 4 | What are bulliform cells? Write their function. | 2 |
| 5 | Differentiate between | 2 |
| | a) Exarch and endarch | |
| | b) Protoxylem and metaxylem | |
| 6 | Differentiate the following: | 2 |
| | 1. Spring wood and autumn wood | |
| | 2. Heartwood and sapwood. | |
| 7 | Give two differences between gymnosperms and angiosperms with respect to complex tissues. | 2 |
| 8 | What are lenticels? Write their function. | 2 |
| 9 | Point out the differences between the structure of a monocot and dicot leaf. | 3 |
| 10 | Design a flow chart showing different types of plant tissues. | 3 |
| 11 | Name the complex tissues and mention their component elements and their function. | 3 |
| 12 | Explain the anatomy of dicot root. | 3 |
| 13 | Describe the structure of a dicot stem. | 3 |
| 14 | What is periderm? How does the periderm formation take place in the dicot stem? | 5 |
| 15 | Make a table showing occurrence, structure and function of different types of simple tissues. | 5 |
| 16 | List the anatomical differences between dicot stem and monocot stem. | 5 |
| 17 | With the help of schematic diagrams, explain the process of secondary growth in the stems of woody angiosperms. write its significance? | 5 |
| 18 | Describe the secondary growth in roots. | 5 |
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