

Questions for preparation for intermediate control for the thematic block

"Plant tissues"

1. The concept of "plant tissue". Classification of plant tissues.
2. Meristems. Classification of meristems. Functions of meristems. Primary and secondary meristems.
3. Dermal tissues. Classification and functions.
 - 3.1. Epidermis. Structure, origin, functions.
 - 3.1.1. Structure and mechanism of stomata apparatus.
 - 3.1.2. Types of stomatal apparatuses.
 - 3.2. The Epiblem. Structure, origin, functions.
 - 3.3. Periderm. Structure, origin, functions. Lenticells.
 - 3.4. The rhytidom. Structure, origin, functions.
4. Mechanical tissues. Classification and functions.
 - 4.1. Collenchima. Origin. Position at the plant. Types of collenchyma.
 - 4.2. Sclerenchyma. Origin. Position at the plant. Types of sclerenchyma.
5. Vascular tissues. Classification. Position at the plant.
 - 5.1. Phloem. Structure, origin, functions.
 - 5.2. Xylem. Structure, origin, functions.
 - 5.3. Vascular bundles. Classification.
 - 5.4. Features of vascular tissues of gymnosperms, monocotyledons and dicotyledons of angiosperms.
6. Parenchimal tissues. Classification of the parenchimal tissues. Features of the structure of the parenchimal tissues depending on the function performed.
7. Excretory tissues. Classification.
 - 7.1. Trichomes. Structure and classification of trichomes.
 - 7.2. External excretory structures.
 - 7.3. Internal excretory structures