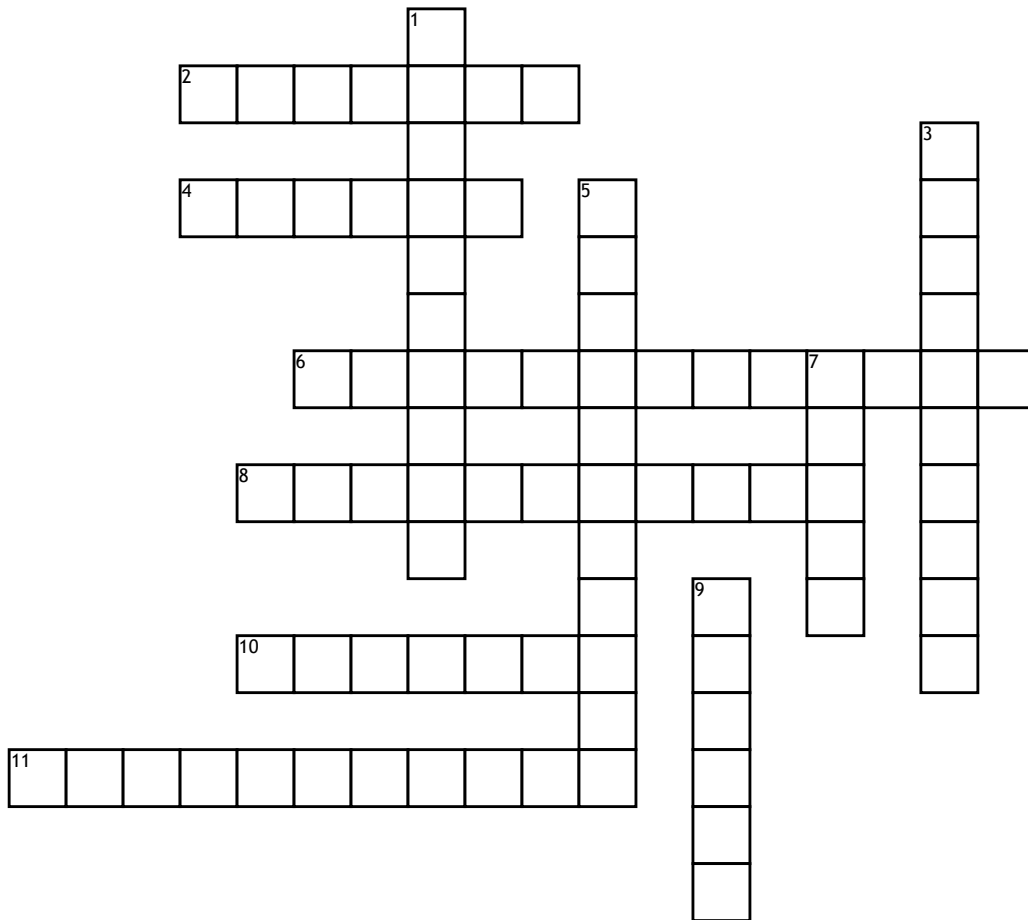


Photosynthesis leaf adaptations



Across

- 2. Tiny controlled openings in the leaf
- 4. Tubular cells that transport food molecules from the leaf to the rest of the plant body
- 6. The gas needed during photosynthesis that enters via the stomata
- 8. The green pigment that absorbs radiant energy during photosynthesis
- 10. The carbohydrate molecule formed during photosynthesis
- 11. The organelles in leaf cells in which photosynthesis takes place

Down

- 1. The property of the wax cuticle that prevents water loss
- 3. The cells that control the opening and closing of the stomata
- 5. The property of the wax cuticle that allows light into the leaf
- 7. The tissue that consists of tubular cells that transports water from the roots to the leaf
- 9. The gas formed during photosynthesis that exits the stomata

Word Bank

- | | | | |
|-------------|----------------|-------------|-------------|
| chlorophyll | carbon dioxide | Transparent | waterproof |
| guard cells | stomata | xylem | Chloroplast |
| phloem | oxygen | glucose | |