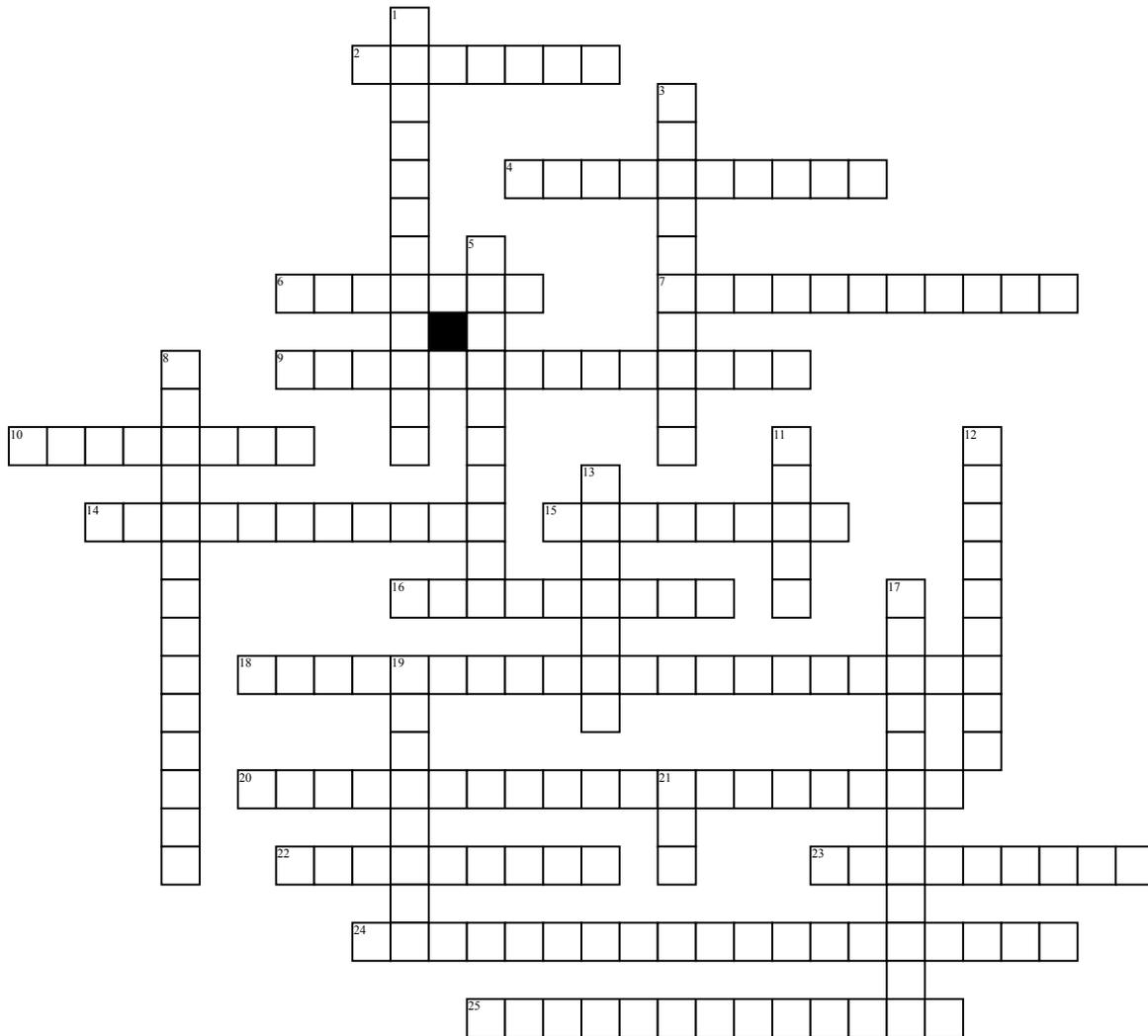


# Adv. Biology Review



## Across

2. compound that absorbs light  
 4. an educated guess  
 6. controls cell processes with DNA, the genetic information  
 7. cells like bacterial cells less complex and lack membrane bound organelles  
 9. modifies and packages materials.  
 10. used for storage of a huge range of substances such as water, nutrients, wastes, etc.  
 14. the three reactants to photosynthesis(molecules)  
 15. a tough layer outside the cell membrane in most cells (missing on animal cells)  
 16. dense areas inside the nucleus that makes ribosomes

18. a large system of membranes, some covered with ribosomes and some with not ribosomes  
 20. makes a tough, flexible, waterproof enclosure for a cell  
 22. pairs of sister chromatids line up in the center of cell  
 23. a tiny dot that makes proteins  
 24. the process here glucose and O<sub>2</sub> are used to create energy cells for all cells  
 25. the backbone is made of alternating sugars (deoxyribose) and phosphates

## Down

1. the radiation from the sun that can be seen by the human eye  
 3. chromosomes duplicated as in mitosis before meiosis

5. cells that have membrane bound structures with special functions called ORGANELLES  
 8. usually occurs using the green pigment chlorophyll  
 11. Put this together to create a tissue.  
 12. small sacks that contain digestive enzymes used to break down foods, worn out cell parts, or undesirable substances.  
 13. creates special reproductive cells called gametes or egg and sperm  
 17. regulates what enters and leaves the cell  
 19. sister chromatids condense and are visible under microscope  
 21. Deoxyribonucleic acid