

# AP Biology Vocabulary Review Crossword Puzzle 8

1. Using the Across and Down clues, write the correct words in the numbered grid below.

The crossword puzzle grid consists of 23 numbered starting points for words:

- 1: Across, 15 cells
- 2: Down, 3 cells
- 3: Across, 15 cells
- 4: Across, 6 cells
- 5: Across, 15 cells
- 6: Down, 6 cells
- 7: Down, 6 cells
- 8: Down, 10 cells
- 9: Down, 10 cells
- 10: Across, 8 cells
- 11: Down, 3 cells
- 12: Down, 3 cells
- 13: Down, 3 cells
- 14: Across, 6 cells
- 15: Down, 6 cells
- 16: Down, 3 cells
- 17: Down, 3 cells
- 18: Across, 6 cells
- 19: Across, 6 cells
- 20: Across, 6 cells
- 21: Across, 8 cells
- 22: Across, 6 cells
- 23: Across, 15 cells

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## ACROSS

1. The evaporation of water from the stomata of a leaf that allows water to be pulled up a stem.
3. The movement of molecules across the cell membrane without the use of ATP, but with the help of a protein.
4. An organic catalyst that lowers the activation energy of chemical reactions in organisms thus increasing the rate of reaction.
5. The microtubules that are used to separate the chromosomes and drag them to separate sides during nuclear division.
10. Net passive movement of particles from a region of higher concentration to region of lower concentration until the concentration of substances is uniform throughout.
14. In eukaryotic cells it is the site of the Krebs cycle and electron transport chain of aerobic cellular respiration.
18. The steroid embedded in the cell membrane that keeps the membrane fluid and strong.
19. A bond where the atoms are sharing electrons unequally creating small negative and positive charges on the atoms.
20. Membrane bound cell organelle that contains genetic material.
21. An organism that cannot manufacture its own food and instead obtains its food and energy by taking in organic substances.
22. A fertilized egg
23. The increase in carbon dioxide and other gases causing heat to be trapped raising the temperature of the earth.

innate  
controlled variables  
diffusion  
enzyme  
primary productivity  
spindle fibers  
facilitated diffusion  
transpiration

covalent bond  
cell cycle  
polar bond  
species  
stomata  
heterotroph  
mitochondria  
global warming

## DOWN

1. The making of RNA from DNA.
2. The haploid cells produce by meiosis.
6. The continuous series of events that all somatic cells go through that includes interphase, mitosis, and cytokinesis.
7. The amount of photosynthesis in an ecosystem.
8. The many characteristics of the experimental group and control group which are held constant.
9. The type of population growth where the population has reached the carrying capacity and stays at a relatively constant level as indicated by a J curve.
11. Behavior of an organism that is not learned and is genetically determined.
12. The small openings on the underside of leaves that allow for carbon dioxide to come in and oxygen to escape.
13. Cells that have no nucleus or membrane bound organelles.
15. An intramolecular bond where atoms are sharing electrons equally.
16. A group of similar looking organisms that can reproduce to make fertile offspring.
17. Any cell of an organism that is not a sex cell (not egg or sperm).

zygote  
somatic cell  
cholesterol  
transcription  
gametes  
logistic growth  
nucleus  
prokaryotic