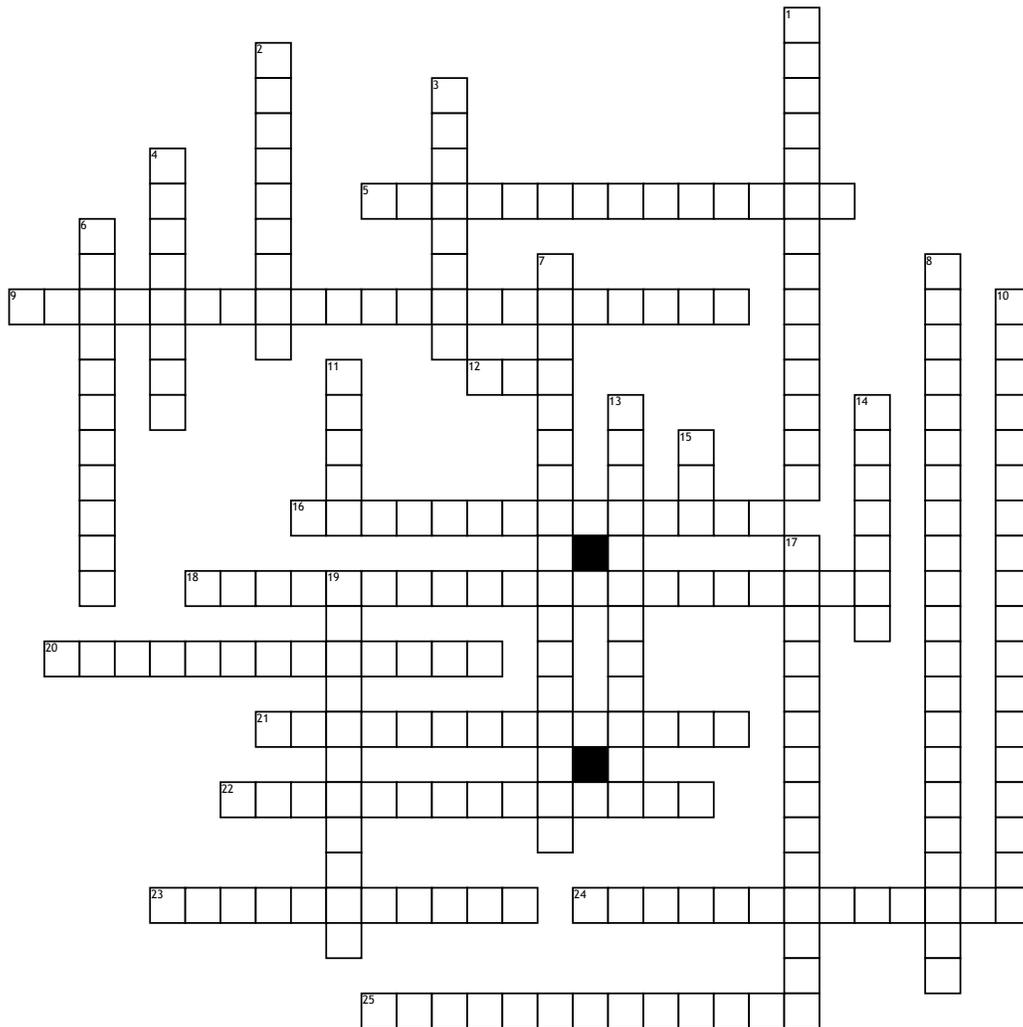


# Honors Biology Trimester 1 Exam Review Crossword



**Across**

- 5. what is the process called when the use of exergonic reactions is used to fuel the endergonic reactions?
- 9. what is the connection between trace elements and Sponch chnops?
- 12. what is the product in the Calvin cycle?
- 16. what is the name of the process where there is a loss of H and its exergonic?
- 18. what is the role of chemiosmosis?
- 20. the process fermentation has 2 types of which one is lactic acid fermentation. What compound is reduced to form another compound?
- 21. in the cytoskeleton, which component is the thinnest fiber and enables change of cell shape?
- 22. what is an example of an endergonic reaction?

- 23. in dehydration reactions, what is the other thing that occurs besides linking monomers to polymers
- 24. what is the extracellular matrix composed of?
- 25. what elements are essential to life but occur in minute amounts?

**Down**

- 1. what is the difference between aldehydes and ketones?
- 2. what is a structure located in prokaryotic cells?
- 3. what is the process called when there is H bonding between h2o and other molecules
- 4. in ATP, there are 3 phosphate groups with bonds in between each of them. What is the charge of the phosphate groups?

- 6. what is it called when substances are water repelling
- 7. what are the products of the Krebs Cycle?
- 8. what is one part of the cell theory?
- 10. what is the structure of an amino group?
- 11. in DNA, there is base pairing such as A/T and C/G. how many hydrogen bonds are between C and G?
- 13. what are the light harvesting complexes of pigments?
- 14. what is the amount of disorder in a system called?
- 15. there are thylakoids and certain elements are oxidized and reduced. Which element is oxidized?
- 17. hydrogen bonds are a result of what?
- 19. which process brings substances inside the cell by using vesicles?

**Word Bank**

- |                        |                 |                            |                           |
|------------------------|-----------------|----------------------------|---------------------------|
| 1 ATP, 3 NADH, 1 FADH2 | negative        | cells are the unit of life | photosynthesis            |
| G3P                    | three           | Adhesion                   | ribosomes                 |
| Hydrophobic            | energy coupling | microfilaments             | trace elements            |
| removing H2O           | glycoproteins   | partial charges            | H2O                       |
| NADH to NAD plus       | entropy         | drives synthesis of ATP    | additives in food and H2O |
| endocytosis            | photosystems    | carbon location            | nitrogen and 2 H atoms    |
| redox reactions        |                 |                            |                           |