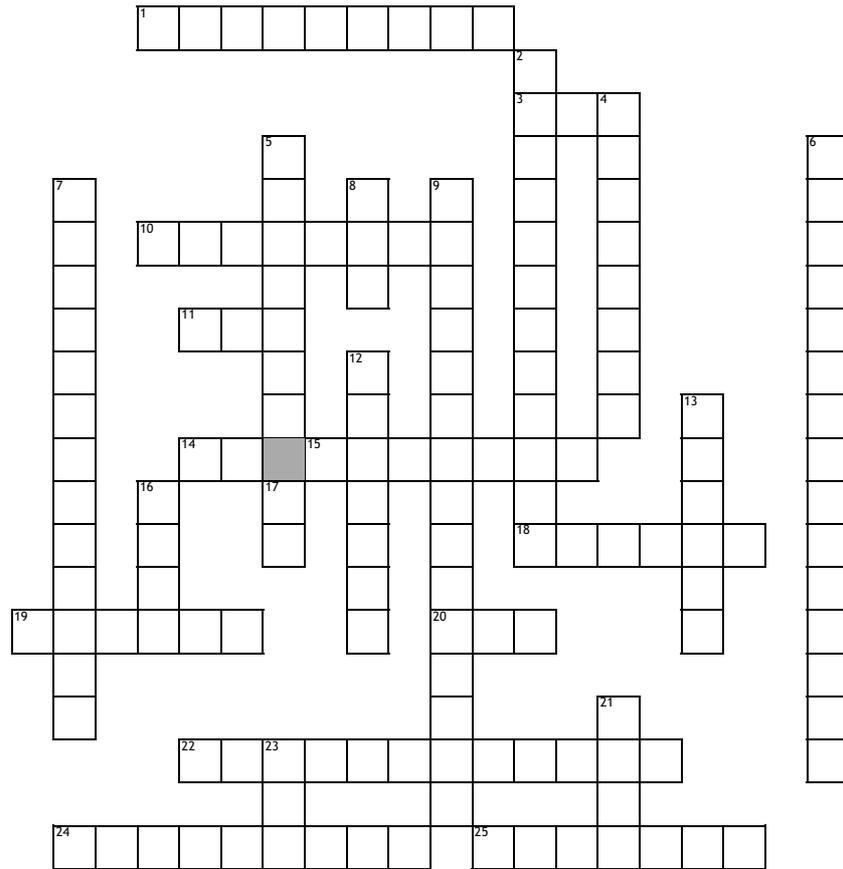


# Cell Respiration Crossword Review



## Across

- Where does glycolysis take place in the cell?
- What is the energy currency used by all cells to do work?
- In glycolysis, glucose is split to for 2 molecules of \_\_\_\_\_?
- The Krebs Cycle produces this many ATP (spell it out)
- How many ATP are produced during the Electron Transport Chain stage?
- The folds of the inner membrane of the mitochondria are known as \_\_\_\_\_.
- What does ATP supply you (your cells) with?
- The Krebs Cycle takes place in the soupy liquid of the mitochondria called the \_\_\_\_\_?
- When ATP loses a phosphate, it becomes this molecule?
- The organelle involved in cell respiration is called the \_\_\_\_\_.
- What term means "oxygen not required"?
- The term that refers to the amount of energy needed to raise one gram of water by one degree Celsius is ?

## Down

- Glucose is a type of \_\_\_\_\_ (macromolecule family)
- Besides carbohydrates, \_\_\_\_\_ also gives up 4 Calories per gram consumed.
- $C_6H_{12}O_6$  is the chemical formula for \_\_\_\_\_?
- What is another name for the Krebs Cycle?
- The ETC occurs in the \_\_\_\_\_ of the mitochondria
- This macromolecule type yields 9 Calories for every gram consumed.
- The process by which food is broken down to release energy in the presence of oxygen is known as \_\_\_\_\_.
- The word that means "requires oxygen"
- Glycolysis is anaerobic, which means \_\_\_\_\_ is not needed.
- How many Calories per gram do we get from carbohydrates? (spell it out)
- Cell respiration produces a total of \_\_\_\_\_ ATP molecules from one glucose molecule.
- Calorie with a capital C is equal to a \_\_\_\_\_calorie (prefix for 1000)
- Glycolysis produces this many molecules of ATP? (spell it out)