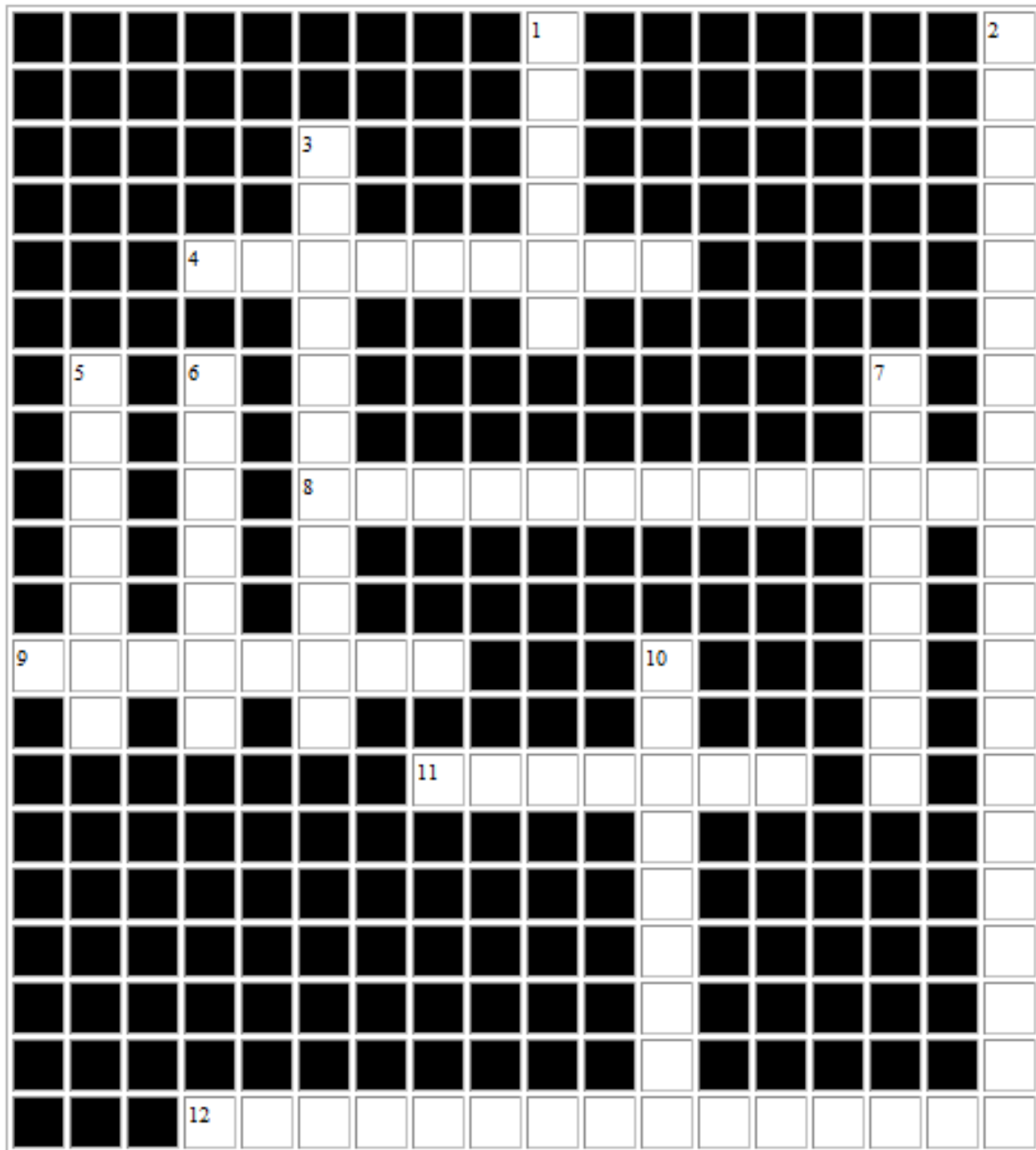


## Crossword # 3 - Wnt Signaling Pathway



**Across**

4. Beta Catenin degradation occurs in this region of the cell.
8. Nuclear Beta catenin is a \_\_\_\_\_ factor.
9. Concentrations are often represented by this unit; written as mols/liter
11. A laboratory instrument used to transport a measured volume of liquid; often found in varying sizes, the most common of which are 1000  $\mu\text{L}$ , 500 $\mu\text{L}$ , 200 $\mu\text{L}$ , 100 $\mu\text{L}$ , 10 $\mu\text{L}$ , and 1 $\mu\text{L}$ .
12. The elements that compose LiCl.

**Down**

1. The Wnt pathway helps form the \_\_\_\_\_/ventral axis.
2. Often used to study live zebrafish embryos in a Petri dish under relatively low power; also known as a stereomicroscope.
3. The Wnt Pathway's purpose is to degrade this important transcription factor.
5. It is good experimental practice to have a positive \_\_\_\_\_, which confirms the basic conditions of the experiment. A negative \_\_\_\_\_ should also be included in order to eliminate all other possible alternative interpretations of the results
6. Due to the Wnt pathway, Beta Catenin will not accumulate on the \_\_\_\_\_ side of the cell.
7. Wnt binds to this protein located on the cell surface
10. A shallow glass or plastic cylindrical dish that biologists use to culture cells.