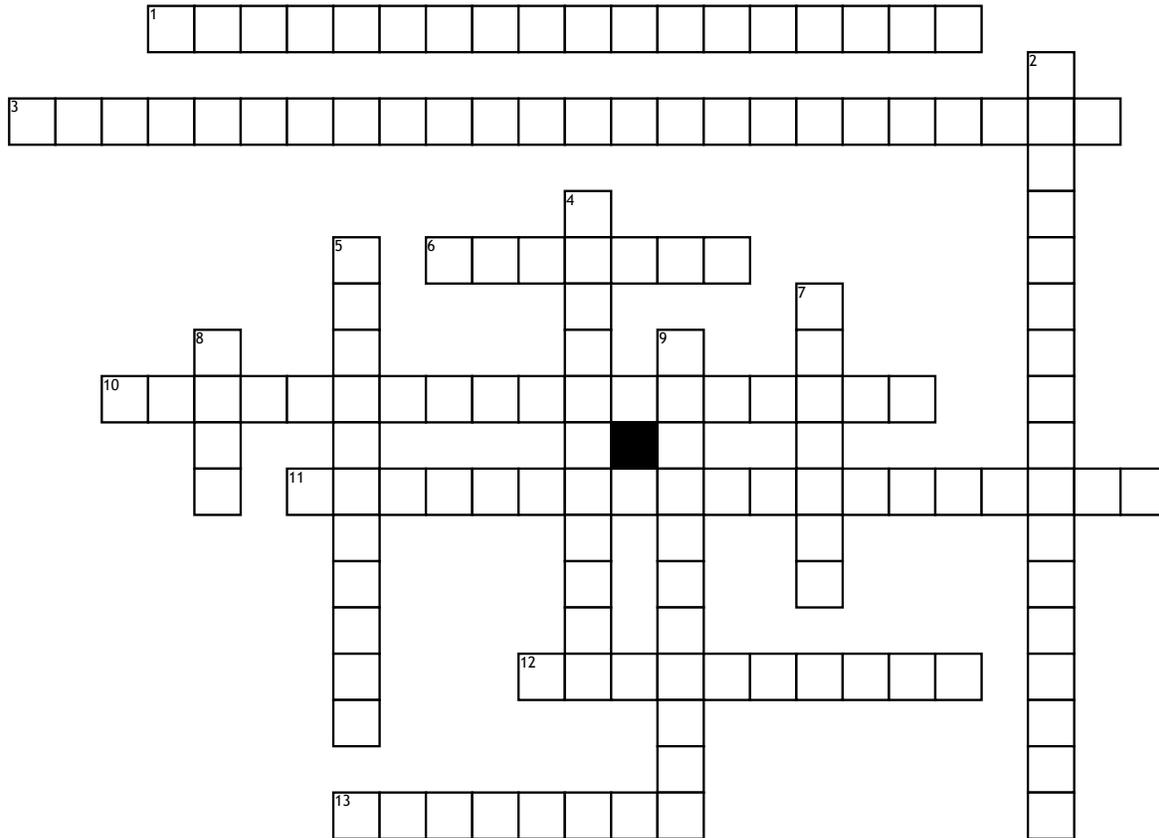


# Biology Chapter 1



## Across

1. Two cells from different parents unite to produce the first cell of the new organism  
 3. Allow light to pass through the specimen and use two lenses to form an image  
 6. Is an organized way of using evidence to learn about the natural world  
 10. Use beams of electrons to produce images  
 11. The new organism has a single parent

12. The combination of chemical reactions through which an organism builds up or breaks down materials as it carries out its life processes

13. Is a signal to which an organisms responds

## Down

2. Biologists often use a technique known as \_\_\_\_\_ to separate the different cell parts  
 4. The cell is able to reproduce so that a group of cells called a \_\_\_\_\_ develops from the single original cell

5. Are devices that produce magnified images of structures that are too small to see with the unaided eye

7. Is the science that seeks to understand the living world

8. Is a collection of living matter enclosed by a barrier that separates the cell from its surroundings

9. Involves the internal feedback mechanisms that work in much the same way as a thermostat