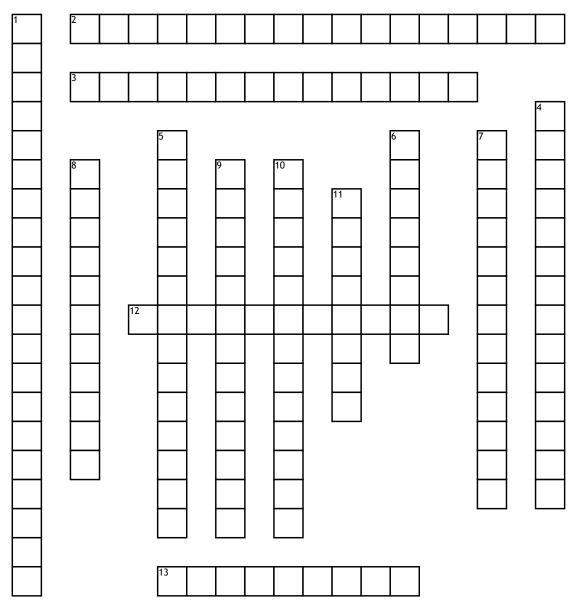
Name:	Date:
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## **Mutations**



## **Across**

- 2. Occur in the organism's gametes and can be passed on to the offspring.
- 3. A chromosome fails to separate from its homologue during meiosis and one gamete receives an extra copy of the chromosome.
- **12.** A segment of the chromosome that doubles.
- **13.** Where a chromosome segment breaks off and flips backwards **Down**
- 1. Take place in an organism's body cells and can therefore affect the organism.

- **4.** The addition or removal of a single nucleotide.
- **5.** Mutations that cause death. Often before birth.
- **6.** Is the loss of a piece of chromosome due to breakage
- 7. Is the process of creating cell patterns in a layer-by layer method to deposit materials known as bioink to create tissue-like structures that are later used in medical and tissue engineering fields.
- **8.** Is where a healthy copy of a gene is placed into the cell that is defective. .

- **9.** Where one piece of the chromosome breaks off and reattaches to a nonhomologous chromosome.
- **10.** Where a physician removes amniotic fluid from the amnion.
- **11.** A change in the nucleotide base sequence of a gene or DNA molecule