

Name \_\_\_\_\_

## Vaccines: The Superheroes of Disease Prevention

### Short Answer Key

1. Vaccines stimulate the immune system by introducing a weakened or inactive version of a virus or bacteria.
2. Antibodies are special proteins that bind to and neutralize antigens in the body.
3. Memory cells are cells that remember past encounters with an antigen, allowing for a rapid and effective immune response in the future.
4. An example of a disease greatly reduced or eliminated by vaccines is polio.
5. Herd immunity is when enough people in a community are vaccinated against a disease, creating a protective barrier that helps prevent the spread of the disease to vulnerable individuals.

