

Name \_\_\_\_\_

## Antigens and Antibodies: Partners in Immune Defense

### Open-Ended Response Answer Key

1. The body might respond more quickly and effectively to an antigen it has encountered before because it already has memory cells and antibodies ready to target it.
2. It's important for antibodies to be able to recognize specific antigens so they can neutralize them without harming healthy cells.
3. Real-life examples of how antigens and antibodies work together may include vaccinations, where antibodies are produced in response to antigens in vaccines, providing immunity to diseases.
4. If the body couldn't produce antibodies, it would be less able to recognize and neutralize specific antigens, making it more susceptible to infections and diseases.

