

Antibodies and Pathogens

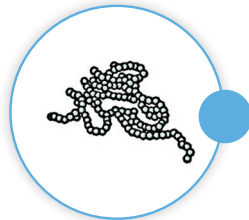
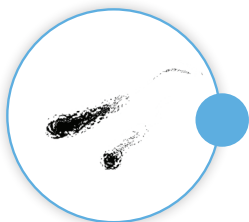
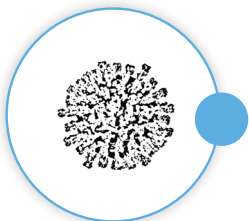
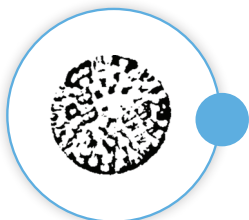
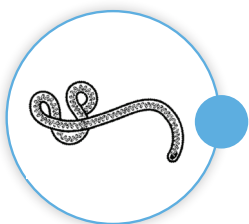


A **pathogen** is the scientific word for a germ that can cause disease and make you sick. Just like a lock and key, your body needs to produce specific **antibodies** to kill a specific pathogen. Each antibody has unique binding sites which bind with the **antigens** found on the surface of a pathogen.

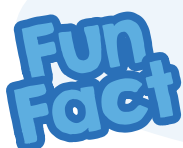
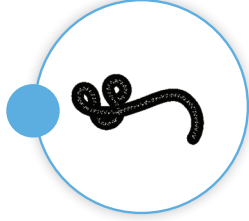
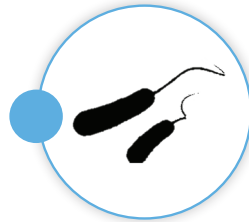
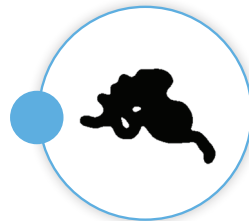
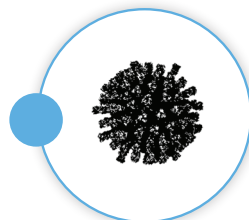
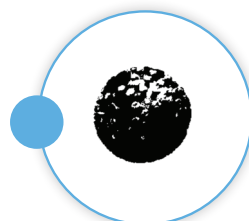


Match the antibodies to the pathogens below by drawing a line between the matching pairs!

ANTIBODIES



PATHOGENS



Our researchers at Telethon Kids Institute study a wide range of pathogens that make us sick. They investigate these germs at all scales, from their genes and proteins to the way they spread within a population. This information helps them find the best ways to treat, cure and prevent kids catching diseases caused by pathogens.



Q: Why don't ants ever get sick?

A: Because they have little anty bodies!