

	Pathogens (such as bacteria, fungi, and viruses)
<ul> <li>INNATE IMMUNITY (all animals)</li> <li>Recognition of traits shared by broad ranges of pathogens, using a small set of receptors</li> <li>Rapid response</li> </ul>	Barrier defenses: Skin Mucous membranes Secretions Internal defenses: Phagocytic cells Natural killer cells Antimicrobial proteins Inflammatory response
<ul> <li>ADAPTIVE IMMUNITY (vertebrates only)</li> <li>Recognition of traits specific to particular pathogens, using a vast array of receptors</li> <li>Slower response</li> </ul>	Humoral response: Antibodies defend against infection in body fluids. Cell-mediated response: Cytotoxic cells defend against infection in body cells.





























