Skin (innate—non-specific)	Mucus membranes (innate—non-specific)
Macrophages (arise from white blood cells) (non-specific)	Neutrophils (non-specific)
Cytokines and chemokines signaling proteins, i.e., interleukins, interferons (non-specific)	Antimicrobial peptides (AMPs)
Antigen-presenting cells (adaptive, acquired–specific)	Major Histocompatibility Complex class I receptors

Line the mouth, nose, and other body openings to "catch" foreign invaders in mucus	Physical barrier to keep pathogens out
Rapidly ingest microorganisms and kill them through a process called phagocytosis.	Engulf and digest cellular debris, pathogens, and other foreign substances in the body by phagocytosis. Contain pattern recognition or toll-like receptors (TLRs) that detect pathogen associated molecular patterns (PAMPs).
Defensins; drill holes in bacterial cells	"Tell" immune cells how to respond to threats and injuries; cause inflammation or call more macrophages to be recruited; release antimicrobial peptides.
Found on all body cells; recognize exact viral cells	Macrophages with a series of receptors called major histocompatibility complex (MHC class II receptors); recognize exact bacterial invaders

T cells lymphocytes (adaptive, acquired—specific)	B cells lymphocytes (adaptive, acquired–specific)

Produce antibodies	Differentiate into cytotoxic (killer), helper (recruit more immune cells), memory, and regulatory T cells.