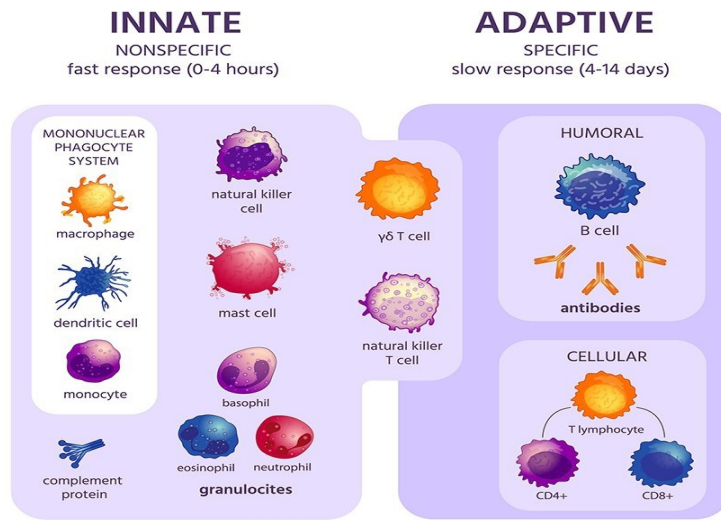


Immunity & Hypersensitivity Reactions Worksheet Answer Key

IMMUNITY



Explain the difference between specific and nonspecific defenses below:

Specific	Nonspecific
<p>Uniquely tailored responses to specific pathogens based on antigen identification.</p> <p>The specific defenses stimulate unique antibodies or sensitized lymphocytes when exposed to specific substances, cells, toxins, or proteins perceived as foreign bodies to remove them from the cells, tissues, and organs.</p>	<p>Response is the same to any challenge encountered.</p> <p>Examples of nonspecific defenses are the skin and mucous membranes. These natural barriers prevent external substances, like bacteria, viruses, chemicals, and air pollution from entering our bodies.</p>

Determine whether the following are considered specific or nonspecific defenses:

	Nonspecific	Specific
Skin	X	
Tears	X	
Gastric juices	X	
Antibodies produced for a specific substance		X
T lymphocyte production		X
Mucous membranes	X	

Determine whether the following are first, second, or third lines of defense:

	First	Second	Third
Tears	X		
Phagocytosis		X	
Saliva	X		
Unique T-lymphocytes to a specific substance			X
Inflammation		X	
Mucous membranes	X		
Skin	X		
Gastric secretions	X		
Interferons		X	