

CHAPTER 8**HANDOUT****Immune Response Non-specific****BLM 8.3.3**

The body's immune system has three lines of defence. The first line of defence is barriers, the second line of defence is non-specific immune responses, and the third line of defence is classified as specific immune responses. All three defences work together to provide the body with an immune system.

1. Define the term "non-specific immune response."

2. Barriers are the first line of defence, designed to prevent pathogens from entering the body.

- a) Fill in the chart below to summarize the physical and chemical aspects of the skin that prevent pathogens from entering the body.

Skin	Structures involved	Function
Chemical		
Physical		

- b) List four other barriers of the body, identify them as either physical or chemical, and explain how they work to protect the body.

Barrier	Chemical or Physical	How it works

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3. Once a pathogen has entered the body there is a second non-specific line of defence that involves white blood cells.

a) What white blood cell types are involved in the second line of defence?

b) By what process do these white blood cells destroy pathogens? Describe this process.
