**Immune** **System Part 1**

**Three Lines of Defence**

1. **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Defence System**
2. **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Defence System**
3. **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Defence System**

These defence systems are intended to protect us from **\_\_\_\_\_\_\_\_\_\_\_\_\_** that can harm us. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are organisms or substances that can cause a disease or sickness.

**The Transmission of Infectious Diseases**

Direct contact:

Indirect contact:

Food and Water:

Animal Bites

**The Primary Defence System**

We are constantly being attacked by pathogens, but we are not always getting sick. Our immune system has some powerful defences to keep pathogens from getting in us or harming us.

Our **\_\_\_\_\_\_\_\_\_** and lining of internal organs are the first line of defence against pathogens. It is a physical barrier that stops most pathogens from entering the body.

**How our skin can fail at stopping pathogens:**

If our skin fails at blocking the pathogen, there are other parts of the Primary Defence System to stop pathogens. On our skin **\_\_\_\_\_\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_** are slightly acidic to stop pathogens from growing on our skin. In our mouth and nose there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**,** and **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** to block pathogens that get in. In our stomach **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** helps destroy plenty more pathogens.

**The main job the Primary Defence System is to:**

Vocab: Pathogen

Homework: pg109 #1,2,5,19