

pesticides

chemicals that are used to kill the pests of plants and animals, pathogens and vectors that transmit pathogens from one organism to another

phagocytosis

cell eating; a type of endocytosis whereby solid particles are engulfed by a cell by invagination of the cell membrane, forming a vacuole

primary response

the immune system response on initial exposure to the antigen

principle of immunity

a method by which an organism can be protected against a disease

proto-oncogenes

genes that code for proteins that stimulate cell growth and mitosis: when mutated, may lead to tumour growth

public health  
programs

programs in place to  
try to control disease  
in a population

quarantine

isolation of a diseased  
organism

scurvy

a nutritional deficiency  
disease that is cause by  
lack of vitamin c in the  
daily diet

secondary response

the immune system  
response when the  
same antigen re-enters  
the body

second line of  
defence

compromises the non-  
specific defence mechanisms  
in the body that protect  
against invading pathogens

skin	tissue surrounding and protecting the body of animals, forming an impervious barrier against the entry of pathogens
specific response	immune responses that occur to fight a particular antigen; are directed to that antigen only
suppressor T cells	T cells responsible for stopping the immune response when the infection has been defeated
T cells	lymphocytes that are involved in the immune response; produced in the bone marrow and mature in the thymus gland
third line of defence	compromises the specific defence mechanism known as the immune response

thymus gland

part of the lymph system, situated in the chest cavity and site of maturation of T Cells

tumour suppressor genes

genes that code for proteins responsible for controlling cell growth and mitosis: when mutated, lead to tumour growth

vaccination

the introduction of a vaccine into a body

vaccine

a suspension that contains an attenuated or killed pathogen or toxin that causes an immune response so that immunity is conferred to the organism receiving the vaccine

Variant Creutzfeldt-Jacob disease (VCJD)

an example of a prion disease that is contracted by eating beef products made from cattle infected with the prion disease, bovine spongiform encephalopathy (BSE)