The World Health Organisation (WHO) describes health as a state of complete by bibility to other diseases.			Damage to immune system	Makes it easier for of cause dis	ther pa sease.	athogens to				1		
			Damage to body defences	Barriers and defences Pathogens can enter	s are da the bo	amages. dy.	Communicable and non communicable		Communicable Caused by pathogens. They can be passed from person to person.	Non-communicable Caused by a fault in genes or by the way we live (lifestyle)		
well-being and not merely the absence of disease or infirmity.				Damage to organ systems	Organ systems don't effectively leading to	s diseases.	dis	eases				
Health				EDEXCEL GCSE HEALTH DISEASE AND			Pathogens may infect plants or animals and can be spread by direct contact, water or air					
seases	Detection Stunted arowth	Ident	Identification /		MEDICINE part 1		Pathogen	Disease	Symptoms	Method of transmission	Control of spread	
of plant di	Spots on leaves	ots on leavesReferencerea of decaygardeninggrowthsmanual orwebsite,			Plants have several ways of defending themselves from pathogens and animals			Bacteria	cholera	Causes diarrhoea.	Contaminated water	Vaccination, water treatment to remove bacteria.
Detection and identification ( (bio HT only)	Area of decay growths				(E Physical	(Biology only) Physical Mechanical		Bacteria	tuberculosis	Causes lung	Air borne water droplets from	Isolation of infected person,
	Malformed	labor test f	ratory For	,	Thick waxy	Thorns, curling up				damage.	couching.	vaccination.
	stem/leaves Discolouration	patho diagr testir	ogens, 1ostic 1g.		stop pathogen entry	leaves to prevent being eaten		Fungi	Chalara ash dieback	Leaf loss and bark lesions.	Spores in the air.	Remove/destroy infected trees.
	Presence of				Chemical					Recurrent fever.	By an animal vector	Prevent breeding of
Bacteria may produce toxins that damage tissues and					Antibacterial and toxins made by plant			Protists	Malaria	Damage to blood and liver.	(mosquitoes).	mosquitoes. Use of nets to prevent bites.
Viru	Viruses Bacteria (prokaryot		es) (eukaryotes)		Fungi (eukaryotes)			Bacteria	Stomach ulcers (Bio only)	Pain in abdomen, damage to stomach lining.	Oral transmission.	60% already carry the bacteria.
e.g. c influe meas HIV, to	old, e.g. nza, tubercul iles, (TB), bacco Salmone	osis ella,	e.g dysent sleep sickne	tery, ing ess,	e.g. athlete's foot, thrush, rose black spot	Pathog that c	cable diseases	Virus	Ebola (Bio only)	Internal bleeding and fever.	Contact with bodily fluids of an infected person.	Isolation of infected person. Vaccination.
mosaid	virus Gonorrh No membr bound	oea rane	mala	aria	Membrane	ens are mi ause infect		Virus	ΗΙν	Initially flu like systems, serious damage to immune system.	Sexual contact and exchange of body fluids.	Anti-retroviral drugs and use of condoms.
DNA or surroui by a pr coat	RNA nded otein otein celled organelles chloroplas mitochono or nucleus celled organelles	(no ts, Iria ). ingle	bound organelles. Usually single celled.	organelles, cell wall made of chitin. Single celled or multi- cellular	athogens croorganisms tious disease	Communi	Bacteria	Chlamydia	Unusual discharge from genitals or anus, pain when urinating.	Unprotected sex.	Using condoms during sex.	



