

★ **HIGHER TIER ONLY** content is highlighted in blue. Foundation students — focus on the un-highlighted sections.

Pathogens

Pathogen	Type	Disease	Spread	Treatment
Bacteria	Prokaryote	Salmonella, TB, gonorrhoea	Food, droplets, contact	Antibiotics
Virus	Non-living	HIV, measles, COVID-19	Body fluids, droplets	Antivirals, vaccines
Fungus	Eukaryote	Rose black spot	Water splash	Antifungals
Protist	Eukaryote	Malaria	Mosquito bite (vector)	Antimalarial drugs

★ **HIGHER TIER ONLY:** Monoclonal antibodies are made from hybridoma cells (lymphocyte + tumour cell). They are **SPECIFIC** — they target **ONE** antigen only. Used in pregnancy tests, cancer treatment and diagnosis.