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| **Topic heading** | **Syllabus Ref** | **Idea cluster** | **Question 1** | **Question 2** | **Question 3** | **Question 4** |
| **Infection and Response** | **BIn 1** | **Disease** | **What is the general name for a disease causing organism?****A Cell****B Pathogen****C Yeast****D Microbe** | **Which type of microbe releases toxins which damages cells within the body?****A Bacteria****B Fungus****C Virus****D Nucleus** | **What type of pathogen causes malaria?****A Virus****B Bacteria****C Protist****D Bacteria** | **Where do virus pathogens reproduce in the body?****A Within cells****B In the blood****C In the stomach****D In warm wet places** |
|  |  |  | **B** | **A** | **C** | **A** |
| **Infection and Response** | **BIn 2** | **Human defence** | **Which of the following is a form of the body’s primary defence system?****A Skin****B White blood cells****C Phagocytosis****D Vaccination** | **Which cell in the body is responsible for the production of antibodies?****A Red blood cell****B White blood cell****C Bone marrow****D Liver** | **What does a vaccination contain?****A An active form of a disease****B A dead or weakened form of a disease****C A medicinal cure for a disease****D Antibodies for a disease** | **What is phagocytosis?****A The engulfing of foreign bodies** **B The production of antibodies****C The splitting of bacteria** **D A stage in mitosis** |
|  |  |  | **A** | **B** | **B** | **A** |
| **Infection and Response** | **BIn 3** | **Treatment of disease** | **What are painkillers used to treat?****A To kill virus’****B To kill bacteria****C To treat the symptoms of the disease****D To damage pathogens** | **Which dose of a drug is the most suitable?****A The maximum possible without damage to the body****B The lowest amount while still being effective and safe****C Any dose as long as it doesn’t cause side effects****D The amount that didn’t kill the cells during preclinical trials** | **In a double blind trial, who knows who is taking the drug?****A The patient** **B The patient and the doctor****C The pharmaceutical company****C The doctor** | **What is the first stage in the testing of a new drug?****A Testing on volunteers****B Testing on tissue****C Testing on patients****D Carrying out a double blind trial** |
|  |  |  | **C** | **B** | **C** | **B** |
| **Infection and Response** | **BIn 4** | **Specific Disease** | **Tobacco Mosaic Virus makes leave discoloured. Which process does this inhibit?****A Respiration****B Photosynthesis****C Cell division****D Root growth** | **What is the method of transmission, symptoms and treatment of gonorrhoea?****A Sneezing, discharge from genitals, antiviral cream****B Sexual contact, discharge from genitals, antibiotics****C Sexual contact, excess urination, antibiotics****D Sharing needles, vomiting, antibiotics** | **How is the measles virus transmitted?****A Inhalation of droplets from sneezes and coughs****B Sexual contact****C Drinking of contaminated dirty water****D Mosquito** | **Which pathogen causes Black Rose Spot and how is it treated?****A Fungus, pesticide****B Bacteria, herbicide****C Fungus, herbicide****D Virus, pesticide** |
|  |  |  | **B** | **B** | **A** | **C** |
|  |  |  |  |  |  |  |
| **Infection and Response** | **BIn 3** | **Treatment of disease** | **How can antibiotic resistance be reduced?****A Finish the course, only have antibiotics when required.****B Take the dose until you are feeling better and then stop as soon as possible.****C Ensure regular antibiotics are taken to ensure that the body is free of all pathogens****D Ensure that the body is fully up to date with all vaccinations.** |  |  |  |
|  |  |  | **A** |  |  |  |
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