

## **2025 Bi H1 Q6**

### **Section: DNA and the Genome**

### **Topic: Genomic Sequencing**

#### **Question Summary:**

Multiple choice question asking for the definition of pharmacogenetics.

#### **Worked Solution:**

Pharmacogenetics uses a person's genome sequence to choose the most effective drug treatments. This allows personalised medicine based on how genes affect drug response. Option C matches this definition.

#### **Final Answer: C**

#### **Revision Tips:**

- Pharmacogenetics links genome data to drug choice and dosage.
- It is used in personalised medicine.
- Not the same as phylogenetics or studying mutation rates.