**DNA Fingerprinting (RFLP) Workshop**

## **Student Worksheet**

Suggested answer

1. What is the purpose of today’s experiment?

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| To identify the species of the meat sample by DNA fingerprinting. |

1. Complete the following revision exercise,
2. Which of the following is the correct name of RFLP?
   1. Reduced Fragment Length Polymorphism
   2. Restricted Fragment Length Polymorphism
   3. Reacted Fragment Length Polymorphism
   4. Recycled Fragment Length Polymorphism
3. Which of the following is the cause of RFLP?
   1. Different restriction enzymes used
   2. Different genes analysed
   3. Differences in the DNA sequence of the same gene
   4. Different pore sizes of agarose gel
4. A gene can be cut by restriction enzyme EcoRI into 4 fragments. How many restriction sites are there?
   1. 3
   2. 4
   3. 5
   4. 6
5. Which of the following is NOT an application of RFLP?
   1. DNA cloning
   2. Forensic test
   3. Disease diagnosis
   4. Identification of individuals