Student Questions – Introduction

1. What kinds of materials obtained from a crime scene might contain DNA?

2. Why do you need to perform PCR on DNA obtained from a Crime Scene?

3. What might you see if you ran a DNA sample extracted from evidence on a gel before PCR?

4. What is a genotype?

5. What is the difference between an allele and a locus?

6. Why do forensic labs analyse non-coding DNA and not genes?

Student Questions: Lesson 1

PCR Student Questions

1. What does PCR allow you to do with DNA?

2. What components do you need to perform PCR?

3. What is in the master mix and why do you need each component?

4. Why do you need to perform PCR on DNA evidence from a crime scene?

5. What steps make up a PCR cycle, and what happens at each step?