

**Science Targeted Feedback Analysis**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Year 12 Biology**

**Marine Forensics Validation Test**

Mark: \_\_\_\_\_\_\_\_\_ / 30

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| --- | --- | --- | --- | --- |
|  | Conduct investigations, including, real or virtual gel electrophoresis safely, competently and methodically for the collection of data (SIS) | DNA profiling identifies the unique genetic makeup of individuals (SU) | Discuss the ways in which measurement error, instrumental accuracy, the nature of the procedure and the sample size may influence uncertainty and limitations in data (SIS) |  |
| Reflection |
| Qu 1 | /1 |  |  |  |
| Qu2 |  |  | /2 |  |
| Qu3 | /2 |  |  |  |
| Qu4 | /2 |  |  |  |
| Qu5 | /2 |  |  |  |
| Qu6 |  | /1 |  |  |
| Qu7 | /1 |  |  |  |
| Qu8 | /2 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Design investigations, including the procedure(s) to be followed, | Discuss the ways in which measurement error, instrumental accuracy, the nature of the procedure and the sample size may influence uncertainty and limitations in data (SIS) | Conduct risk assessments (SIS) | Analyse data to identify trends, patterns and relationships; | Select, synthesise and use evidence to make and justify conclusions (SIS) | Communicate to specific audiences and for specific purposes using appropriate language, nomenclature, genres and modes, including scientific reports (SIS) | Reflection |
| Qu9 | /4 |  |  |  |  |  |  |
| Qu10 |  |  | /2 |  |  |  |  |
| Qu11 |  | /3 |  |  |  |  |  |
| Qu12 |  |  |  | /4 | | |  |
| Qu13 |  |  |  | /4 | | |  |