

**Science Targeted Feedback Analysis**

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

**Year 12 Biology**

**Thermoregulation Investigation Validation Test**

Mark: \_\_\_\_\_\_\_\_\_ / 40

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|  | Design investigations, including the procedure(s) to be followed, the materials required, and the type and amount of primary and/or secondary data to be collected; conduct risk assessments; and consider research ethics. | Discuss the ways in which measurement error, instrumental accuracy, the nature of the procedure and sample size may influence uncertainty and limitations in data | Represent data in meaningful and useful ways, including the use of mean, median, range and probability; organise and analyse data to identify trends, patterns and relationships | Select, synthesise and use evidence to make and justify conclusions |  |
| Reflection |
| Qu 1 | /1 |  |  |  |  |
| Qu2 | /2 |  |  |  |  |
| Qu3 |  | /3 |  |  |  |
| Qu4 | /2 |  |  |  |  |
| Qu5 |  |  | /4 |  |  |
| Qu6 |  |  | /2 |  |  |
| Qu7 |  |  | /5 |  |  |
| Qu8 |  |  | /2 |  |  |
| Qu 9 |  |  |  | /2 |  |

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|  | Discuss how the e nature of the procedure and sample size may influence uncertainty and limitations in data | Identify, research and construct questions for investigation; propose hypotheses; and predict possible outcomes (SIS) | Conduct investigations, including using models of homeostasis and disease transmission, safely, competently and methodically for valid and reliable collection of data (SIS) | • Communicate to specific audiences and for specific purposes using appropriate language, nomenclature, genres and modes, including scientific reports (SIS) | Reflection |
| Qu10 | /2 |  |  |  |  |
| Qu11 | /2 |  |  |  |  |
| Qu 12 |  | /2 |  |  |  |
| Qu 13 |  |  | /2 |  |  |
| Qu 14 |  |  | /2 |  |  |
| Qu 15 |  |  |  | /7 |  |