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| Know1Individual skills |  | Integration | Apply 2Understand principles |
| Skills | Strategy |  |
| K3K2K1 | Explain what is meant by a theoryState examples of theories in scienceDescribe the role of evidence in supporting theories | K7 | Understand the role of a theory in science | A2A1 | Explain why it sometimes takes a long time for a theory to be changedExplain why argumentation is essential for the development of robust theories |
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| K6K4K5 | State examples of theories that have changedExplain role of new evidence in changing theoriesExplain role of argumentation in modifying theories | K8 | Understand how scientific ideas have changed | A3 |  |
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| Key words | K10 |  | A4 |  |
| K9 | **Evidence** Measurements or observations offered to support or oppose a theory | **Argumentation** Using logical reasoning, debate and negotiation to reach conclusions |  |  |
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