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| Know  1  Individual skills | | |  | Integration | | Apply  2  Understand principles | |
| Skills | | | | Strategy | |  | |
| K3  K2  K1 | Explain what is meant by a theory  State examples of theories in science  Describe the role of evidence in supporting theories | K7 | | | Understand the role of a theory in science | A2  A1 | Explain why it sometimes takes a long time for a theory to be changed  Explain why argumentation is essential for the development of robust theories |
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| K6  K4  K5 | State examples of theories that have changed  Explain role of new evidence in changing theories  Explain 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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