



# STUDY GUIDE

## Year 10 Science

### Global Systems

#### Chapter 7

#### Assessment

Task page 157

End of Chapter Test

Chapter	Content Description	Elaborations
<b>Global Systems</b> Chapter 7 (4 weeks)	Global systems, include the carbon cycle, rely on interactions involve the biosphere, lithosphere, hydrosphere and atmosphere (ACSSU189)	<ul style="list-style-type: none"><li>★ Investigate how human activity affects global systems.</li><li>★ Model a cycle, such as the water, carbon, nitrogen or phosphorus cycle within the biosphere.</li><li>★ Explain the causes and effects of the greenhouse effect investigating the effect of climate change on sea levels and biodiversity.</li><li>★ Consider the long-term effects of loss of biodiversity.</li><li>★ Investigate currently occurring changes to permafrost and sea ice and the impacts of these changes.</li><li>★ Examine the factors that drive the deep ocean currents, their role in regulating global climate, and their effects on marine life.</li></ul>