

Year 8 Science assessment task

Unit: Enhanced greenhouse gases and the issues for the planet

Task: Written explanation: *Explanation of why increased carbon dioxide (or methane) is an issue for the Earth*

Assessment conditions: Draft due: _____ Final due: _____

Relevant aspects of the Australian Curriculum

Physical science descriptors

Properties of the different states of matter can be explained in terms of the motion and arrangement of particles (ACSSU151)

Achievement standards

By the end of Year 8, students compare physical and chemical changes and use the particle model to explain and predict the properties and behaviours of substances.

Task-specific criteria	Comment
<p>Research 20% Provides evidence of three sources of information, with at least one video, and one web page or written source.</p> <p>Notes 30% Includes notes recorded as dot points in the notes template provided. (This includes references.)</p> <p>Writing 40% Writes an explanation using the writing template provided. Marks will be given for:</p> <ul style="list-style-type: none"> • appropriate headings • scientific terms (e.g. carbon dioxide, methane, molecules, in balance) • explaining how carbon dioxide/methane is formed. <p>Images and diagrams 10% The explanation should include one diagram. This needs to be hand-drawn. One image should be included, cut and pasted and appropriately referenced.</p>	