

**GCSE Chemistry A (Gateway Science)**

**J248/02 C4-C6 and C7 Foundation (Foundation Tier)**

**Question Set 19**

1 Scientists are worried about the greenhouse effect.

(a) Complete the following paragraph about the greenhouse effect.

Use words from the list.

CFCs                  cool                  Earth's  
hydrogen              infrared              methane  
microwave              Sun's              ultraviolet              warm

Greenhouse gases such as carbon dioxide and .....methane..... absorb .....infrared..... radiation radiated by the .....Earth's..... surface, then emit it in all directions.

This greenhouse effect keeps the Earth and its atmosphere .....warm..... enough for living things to exist. [2]

(b) Write about two possible ways that greenhouse gas emissions can be reduced. [2]

- Walk / cycle or use public transport to reduce CO<sub>2</sub> emission from the car fumes
- Use more renewable energy (e.g. solar power)

**Total Marks for Question Set 19: 4**

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