(The greenhouse effect and greenhouse gases)

Q1. (2019)

Saturn has other moons.

The other moons of Saturn have no atmosphere.

Titan is warmer than the other moons of Saturn because its atmosphere contains the greenhouse gas methane.

Explain how this greenhouse gas keeps Titan warmer than the other moons of Saturn.

[3 marks]

Q2. (2021)

Oil contains carbon and some sulfur.

When oil is burned, the products of combustion may be released into the atmosphere.

Explain the environmental effects of releasing these products of combustion into the atmosphere.

[6 marks]

Q3. (2023)

This question is about greenhouse gases and climate change.

Carbon dioxide and methane are greenhouse gases.

Which of the following is also a greenhouse gas?

[1 mark]

Tick (✓) **one** box.

Chlorine ☐

Nitrogen ☐

Oxygen ☐

Water vapour ☐