

# Financial Times in the News: Oil and Gas



## Theme and Specification link

With COP29 in Baku taking place in November 2024, this edition of *Financial Times in the News* explores the ways in which methane emissions are monitored with technology.

The link to the article can be found here: <https://bit.ly/3YMy8mg> or use the QR code in the top right corner of this page.

This article underpins many aspects of natural hazards and extreme weather within the A Level Specifications specifically:

AQA

3.2.5.4 Energy security.

Edexcel

6.5 Reliance on fossil fuels to drive economic development is still the global norm.

6.8 There are implications for human wellbeing from the degradation of the water and carbon cycles.

6.9 Further planetary warming risks large-scale release of stored carbon, requiring responses from different players at different scales.

7.6 Global concerns about the physical environment are disproportionately influenced by superpower actions.

Eduqas (WJEC)

3(4).4.4 The global management of oil and gas.

3(4).4.5 Problems associated with extraction, transport and use of energy



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## Article summary



Summarise the article using 10 short bullet points. Can you classify them?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

### Wider issues

Write a question here to help think about other issues which might influence the points in the article.



**Debate**



Motion: *"Methane monitoring should be mandatory for all nations under global treaties."*

In the table below write your discussion points of the potential benefits and challenges to this motion. Use evidence from the article as well as your own knowledge to support your points.

Benefits	Evidence	Challenges	Evidence

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## Synoptic links



Note down any synoptic links using your specification to help you. A Mind map might be helpful here.

Oil and Gas

## 5 examination style questions



Given that methane is 80 times more potent than carbon dioxide over 20 years, calculate the equivalent CO<sub>2</sub> impact of a 1-tonne methane leak.

Evaluate the effectiveness of current international regulations, like the EU's methane rules or the Global Methane Pledge, in addressing methane emissions.

Discuss the opportunities and barriers for oil and gas companies to reduce their methane emissions.

'Major economies such as the US and China should hold greater responsibility over reducing methane emissions.' Discuss.

Explain the challenges associated with detecting and measuring methane emissions.