

Name:.....

## Task 1: Data centres and Artificial Intelligence

Use the **resource sheet** to answer these questions.

1. Use **source A** to answer these questions

a) How many data centres were there in the UK in 2025?

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b) How many more data centres does the article say will be built in the UK?

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c) When will most of the data centres be built?

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d) Where will the biggest data centre be built?

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e) How big will the biggest data centre be? How much will it cost?

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f) Name the company that is building the biggest data centre

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2. Use **sources A and B** for these questions

a) How many data centres will be built in Wales?

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b) Describe where the main areas for new data centres will be in the UK.

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c) Explain why data centres are being built in only some parts of the UK.

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3. Use **sources A and C** for these questions

a) What sorts of data is processed in data centres?

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b) Why is the use of AI increasing the need for data centres?

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4. Use **source D** for this question.

Describe the data centre shown in the photograph and its location in the surrounding area

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5. Use **all the sources** for these questions.

a) Why do data centres increase demand for water and electricity?

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b) Describe the environmental issues that will be caused by building more data centres. Use your knowledge from science and geography to help with answering this question.

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