4.25作业

**Article 1: Friend, not foe – How AI could help the climate**

Q1. According to the passage, what is mainly responsible for the current electricity consumption of data centres?

A. Artificial intelligence operations
B. Cloud-based machine learning
C. Streaming, social media and online shopping
D. Cryptocurrency mining

Q2. The author suggests that tech companies should use their energy demand to:

A. drive the decarbonisation of power systems
B. develop private energy grids
C. reduce their AI investment
D. regulate data centre construction

Q3. Which of the following actions is not suggested by the author as a way tech firms can support clean energy?

A. Building new clean energy capacity themselves
B. Lobbying for planning reform
C. Supporting geothermal and nuclear energy
D. Investing in AI model training

**Article 2: Largest mammalian brain map ever could unpick what makes us human**

Q4. What is the main significance of the new 3D brain map, according to the article?

A. It reveals the exact cause of human consciousness
B. It reconstructs the entire brain of a mouse
C. It provides detailed insights into neural structure and function
D. It proves that humans and mice share the same brain cells

Q5. What does the phrase “what makes us human” imply in the context?

A. The differences in brain weight between species
B. The unique neural features that define human cognition
C. The evolutionary origin of human brains
D. The moral capacity developed through evolution