E0 homework

Answer all questions. Use the Data Booklet. Total: 12 marks.

1 **State** the three parts of the universal system diagram. **[1]**

2 **Complete** a system diagram for an electric toothbrush. **[3]**

3 **State** the difference between open- and closed-loop control. **[2]**

4 **Describe** how a fridge keeps food at 4 °C. **[4]**

5 **Explain** why feedback lines need arrows. **[2]**