Practice worksheet | Statistics and sampling

Observational versus experimental data

Name: _____ Date: _____

6 questions | 11 marks

1. A teacher records noise in existing normal lessons. Classify the study. [1 mark]

2. Identical cars are randomly assigned two ramp surfaces. Classify the study. [1 mark]

3. Two different classes use different revision methods and earn different scores. Why is cause not established by this alone? [2 marks]

4. Name two conditions to keep similar when testing two paper-plane designs. [2 marks]

5. A survey links cycling with reported fitness. Write a cautious conclusion. [2 marks]

6. Design a fair battery-brand comparison using torches. [3 marks]