PRINCE EDWARD ISLAND SCIENCE 10 · UNIT C · 5 QUESTIONS

Designing Mechanical Systems — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Colourful spinner wheel is divided into four equal sections. In machine design, which term matches this description: useful output divided by input?**



A inclined plane

B prototype

C efficiency

D lever

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2 **In machine design, what is the main purpose or meaning of efficiency?**

- A sloping surface lifting a load
- B early model for testing
- C bar turning around a pivot
- D useful output ÷ input

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3 **In machine design, which term matches this description: sloping surface lifting a load?**

- A inclined plane
- B prototype
- C lever
- D fulcrum

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4 **In machine design, what is the main purpose or meaning of inclined plane?**

- A early model for testing
- B sloping surface lifting a load
- C bar turning around a pivot
- D pivot point of a lever

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5 **In machine design, which term matches this description: early model for testing?**

- A lever
- B fulcrum
- C prototype
- D pulley

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ANSWER KEY

1. C
2. D
3. A
4. B
5. C

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