

Mechanical Engineering Basics

Mechanical Engineering · Practice Test · 8 Questions

1. Which simple machine consists of a wheel with a groove for a rope or cable?

- A) Pulley
- B) Screw
- C) Wedge
- D) Inclined plane

2. What is the primary function of a gear in a mechanical system?

- A) To change temperature
- B) To store electricity
- C) To transmit motion and force
- D) To act as a battery

3. Which simple machine is used to split objects or hold them in place?

- A) Lever
- B) Wedge
- C) Wheel and axle
- D) Pulley

4. What do engineers call a flat supporting surface tilted at an angle?

- A) Screw
- B) Lever
- C) Inclined plane
- D) Gear

5. Which of these is a rigid bar that pivots on a fixed point called a fulcrum?

- A) Pulley
- B) Lever
- C) Screw
- D) Wedge

6. What mechanical fastener has a helical ridge wrapped around a cylinder?

- A) Bolt/Screw
- B) Gear
- C) Pulley
- D) Axle

7. Which part of a machine is a rod that connects to wheels and allows them to rotate?

- A) Fulcrum
- B) Axle
- C) Wedge
- D) Lever

8. What is the term for a machine that uses energy to perform work?

- A) Engine
- B) Lever
- C) Wedge
- D) Screw