

Aerospace Engineering Basics

Aerospace Engineering · Answer Key · 8 Questions

1. What is the main force that keeps an airplane flying by pushing it upwards?

- A) Thrust
- B) Drag
- C) Lift**
- D) Weight

2. What part of a rocket engine burns fuel to create hot gas that pushes the rocket upwards?

- A) Nose cone
- B) Fin
- C) Booster
- D) Combustion chamber**

3. Which planet is famous for having a prominent ring system, studied by spacecraft like Cassini?

- A) Mars
- B) Jupiter
- C) Saturn**
- D) Venus

4. What is the name for the curved path that a satellite follows around a planet or moon?

- A) Orbit**
- B) Trajectory
- C) Altitude
- D) Velocity

5. What is the most common gas found in Earth's atmosphere that helps airplanes fly?

- A) Oxygen
- B) Carbon Dioxide
- C) Helium
- D) Nitrogen**

6. Which astronaut was the first person to walk on the Moon during the Apollo 11 mission?

- A) Buzz Aldrin
- B) Yuri Gagarin
- C) Neil Armstrong**
- D) John Glenn

7. What do we call the large, powerful engines that help a rocket escape Earth's gravity?

- A) Propellers
- B) Jet engines
- C) Rocket boosters**
- D) Turbines

8. What is the imaginary line that an object travels along as it moves through space, like a spacecraft?

- A) Horizon
- B) Axis
- C) Path
- D) Trajectory**