

Name _____

The Battle Against Air

Multiple Choice Questions

1. What is air resistance?
 - a) The force that opposes the motion of objects underwater
 - b) The force that opposes the motion of objects in the air
 - c) The force that keeps objects in the air
 - d) The force that causes objects to float

2. Which of the following factors affects the amount of air resistance an object experiences?
 - a) Color of the object
 - b) Shape of the object
 - c) Temperature of the air
 - d) Sound the object makes

3. What is terminal velocity?
 - a) The slowest speed an object can reach
 - b) The fastest speed an object can reach
 - c) The speed at which an object falls with no air resistance
 - d) The maximum speed reached by a falling object when air resistance equals the force of gravity

4. How does the shape of an object affect the amount of air resistance it experiences?
 - a) Irregularly shaped objects experience less air resistance
 - b) Streamlined shapes experience less air resistance
 - c) Shape has no effect on air resistance
 - d) Larger surface area reduces air resistance

5. What practical application of air resistance is mentioned in the passage?
 - a) Designing safety equipment
 - b) Designing spacecraft
 - c) Designing racing bicycles
 - d) Designing protective gear

