

Name _____

The Battle Against Air

Short Answer

1. Explain how air resistance affects the motion of a skydiver both before and after deploying their parachute.
2. Provide an example of a real-life situation where minimizing air resistance is essential, and describe how it is achieved.
3. Why does a feather fall more slowly than a stone when dropped from the same height, even though they both experience air resistance?
4. How does the surface area of an object affect the amount of air resistance it experiences?
5. Imagine you are designing a new type of car. How might you shape the car to minimize air resistance and improve fuel efficiency?

