

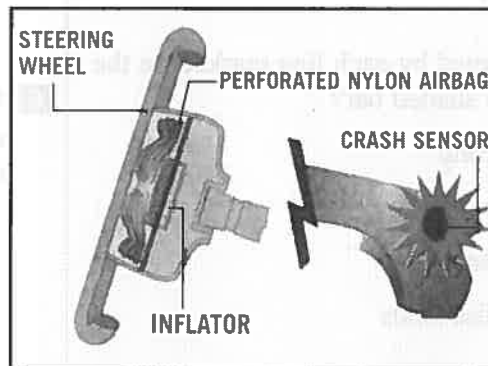
Read the selection below and answer the questions that follow it.

How Airbags Work

The airbag is a safety feature found in all new cars. It is designed to help protect drivers and passengers from serious injury. On impact, the airbag inflates, moving toward the person at up to 300 km/h — as fast as a race car at the end of a straightaway.

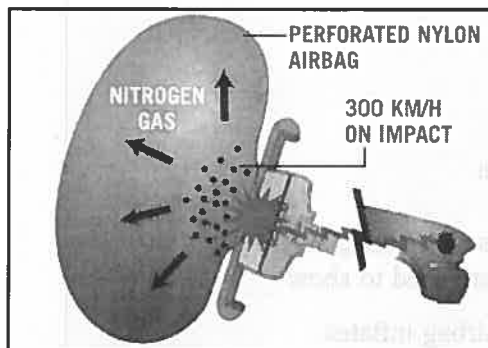
1. CRASH

Within 20 milliseconds (0.02 seconds) of impact: The airbag is triggered by sensors when the crash force is more than the equivalent of 14–20 km/h into a solid barrier.



2. INFLATE

Within 20–40 milliseconds of impact: A device at the base of the bag releases nitrogen gas that inflates the bag, which then moves toward the person at speeds of up to 300 km/h. By 60 milliseconds, when it reaches the person in the seat, the airbag is fully inflated.



3. DEFLATE

Within 100 milliseconds (1/10 second) of impact: The airbag begins to deflate as gas escapes through tiny holes, ensuring the person is not trapped by the bag.

