

- 22** A loudspeaker emits sound of frequency f_s . The loudspeaker is attached to a car that moves with increasing speed directly towards a stationary observer.

Which statement describes the frequency of the sound heard by the observer?

- A** a frequency greater than f_s and increasing
- B** a frequency greater than f_s but decreasing
- C** a frequency less than f_s and decreasing
- D** a frequency less than f_s but increasing