

20 A parachutist is falling at constant (terminal) velocity.

Which statement is **not** correct?

- A** Gravitational potential energy is converted into kinetic energy of the air.
- B** Gravitational potential energy is converted into kinetic energy of the parachutist.
- C** Gravitational potential energy is converted into thermal energy of the air.
- D** Gravitational potential energy is converted into thermal energy of the parachutist.

8 A skydiver is falling vertically with terminal velocity when their parachute opens fully.

Which statement describes the motion of the skydiver for the first few seconds after the parachute opens fully?

- A** falling with non-uniform acceleration and increasing speed
- B** falling with non-uniform acceleration and decreasing speed
- C** falling with uniform acceleration and increasing speed
- D** falling with uniform acceleration and decreasing speed