

14 The air in an aircraft when travelling has the following energy as listed in the table below.

Type of energy	As a result of	Amount of energy / MJ
Kinetic energy	motion of the aircraft	8
Kinetic energy	random movement of the air molecules	30
Potential energy	altitude of the aircraft	75
Potential energy	intermolecular attraction between the air molecules	-3

What is the internal energy of the air in the aircraft?

- A** 27 MJ **B** 33 MJ **C** 35 MJ **D** 110 MJ