

10 Air and climate – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

10.1 Nitrogen (about 78%) and oxygen (about 21%).

10.2 (a) sulfur dioxide (or oxides of nitrogen) \ (b) carbon dioxide (or methane).

10.3 It is toxic (poisonous).

10.4 They let sunlight through to warm the Earth; the warm Earth gives off heat (thermal energy); the greenhouse gases absorb some of this heat and send it back down, so less heat is lost to space and the Earth warms.

10.5 Any two of: plant trees; burn fewer fossil fuels; use renewable energy; farm fewer animals.

10.6 (a) oxides of nitrogen (or sulfur dioxide); (b) carbon monoxide, formed by **incomplete combustion** —there is not enough oxygen to oxidise all the carbon to carbon dioxide.