

Q1.

- [12]

Q2.

(a) water vapour 1

(b) (increased population so) more energy required
allow (increased population so) more transport required 1

(so) more (fossil) fuels burned
allow a named fossil fuel

OR

(increased population so) more farmland required (1)

(so) more deforestation (1) 1

(c) (increased population so) more food required 1

(so) more methane-producing food production
allow more use of beef cattle (in food production)
allow more rice grown

OR

(increased population so) more waste produced (1)

(which) produces more methane on decomposition (1) 1

(d) any **two** from:
 • melting ice
 • rising sea levels
 • flooding
 • extremes of weather
 • loss of habitats
ignore global warming
*do **not** accept acid rain*
*do **not** accept global dimming*
*do **not** accept references to ozone* 2

(e) there may be other reasons for changes in the (mean)
allow difficult to model
 temperature (of the atmosphere at the Earth's surface)
allow the earth goes through cycles of temperature change 1