Atmospheric structure summary questions

1. Explain the significance of the stratosphere for life on Earth
2. Describe how the tropopause acts as a ‘ceiling’ and summarise the latitudinal variations in height
3. The relationship between altitude, temperature and ozone concentration is shown in graphs A and B (below)

3. Using the information in the graphs and your knowledge:
   – Describe the relationship between atmospheric temperature and altitude
   – State at what temperature and altitude ozone is most abundant in the atmosphere

4. Describe, briefly, the formation of ozone in the stratosphere (you could use an annotated diagram to illustrate your answer)

5. Explain why the ozone layer is important to life on Earth