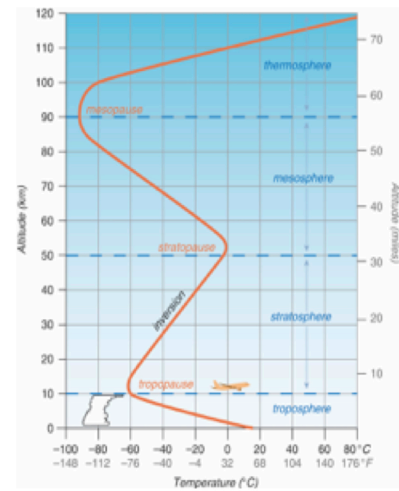


- 7) Pressure and density (with rare exceptions beyond the level of this course) always decrease with elevation gain. Explain why temperatures increase with altitude in the stratosphere when the troposphere is mainly heated from below by the earth's surface. (Hint: section 3.5 of H&P.)



*Average vertical temperature profile
(Hakim & Patoux, Fig. 3.3)*