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Vertical distribution Temperature

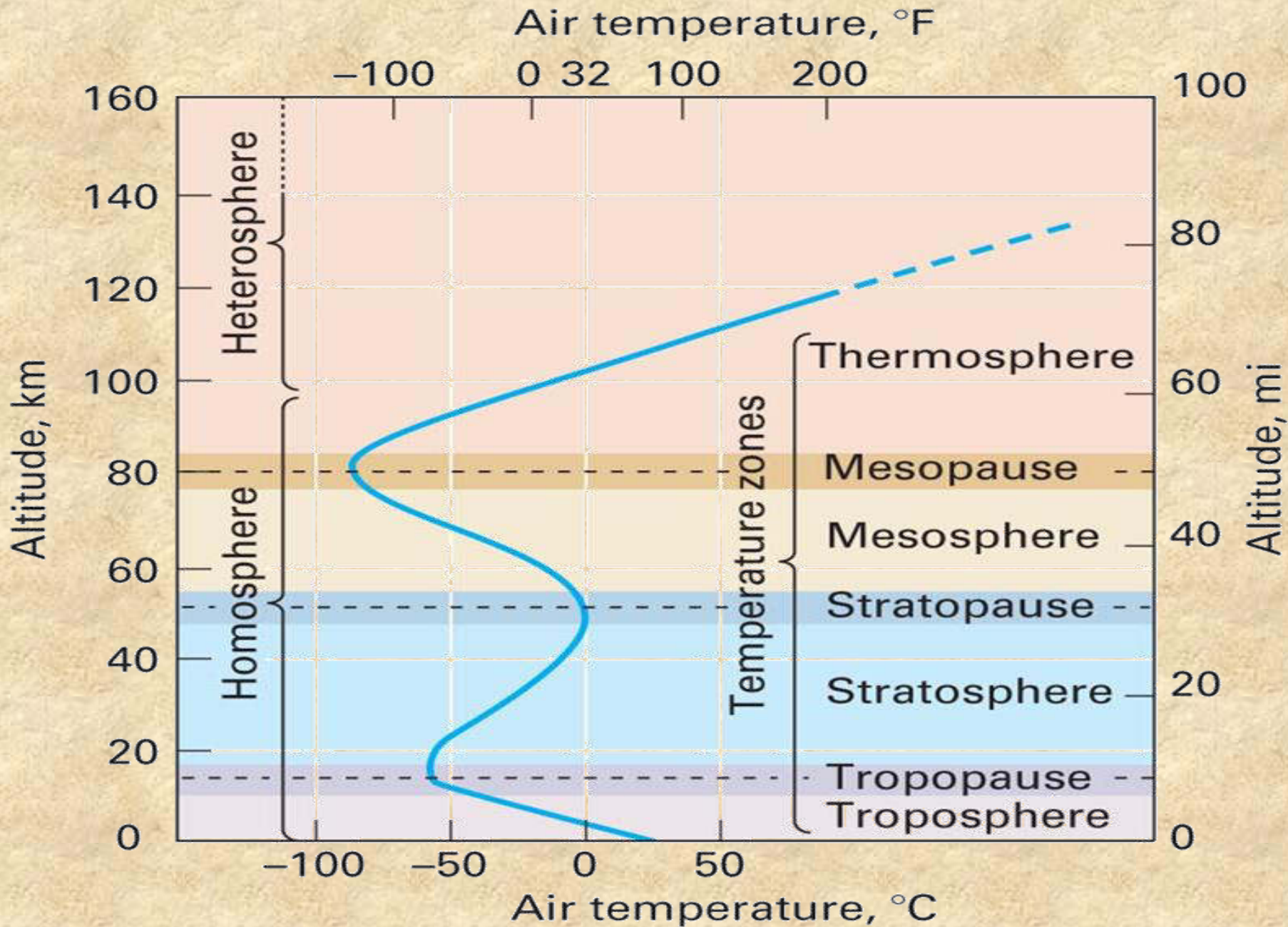
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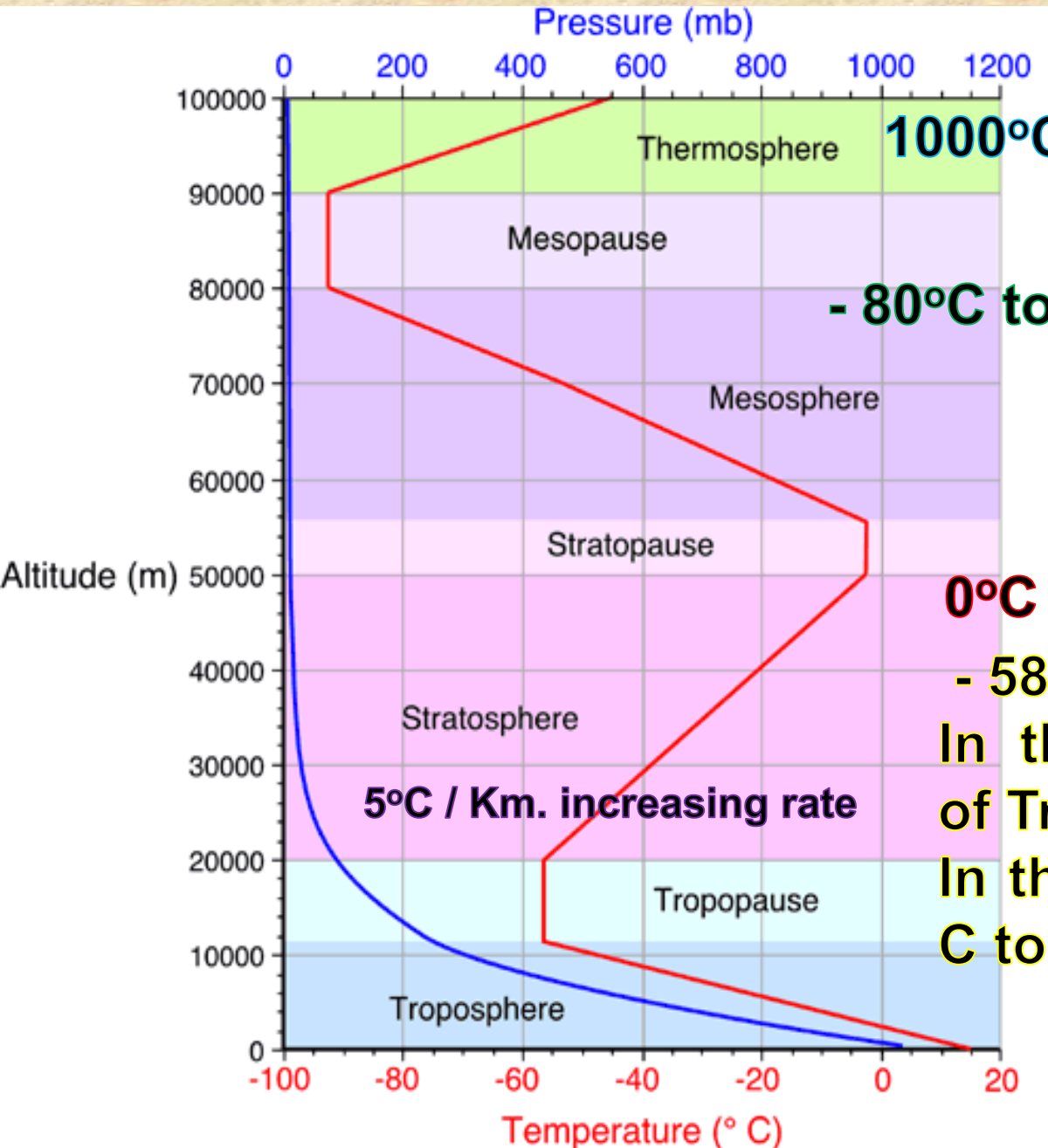
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Vertical distribution Temperature



Vertical distribution Temperature



5568°C (in 1000Km.)

1000°C to 1700°C (in 400Km.)

- 80°C to - 100°C (in 80Km.)

0°C or 32° F (in 50Km.)

- 58°C to - 60° C

In the equator (17km) top of Tropopause is - 70° C

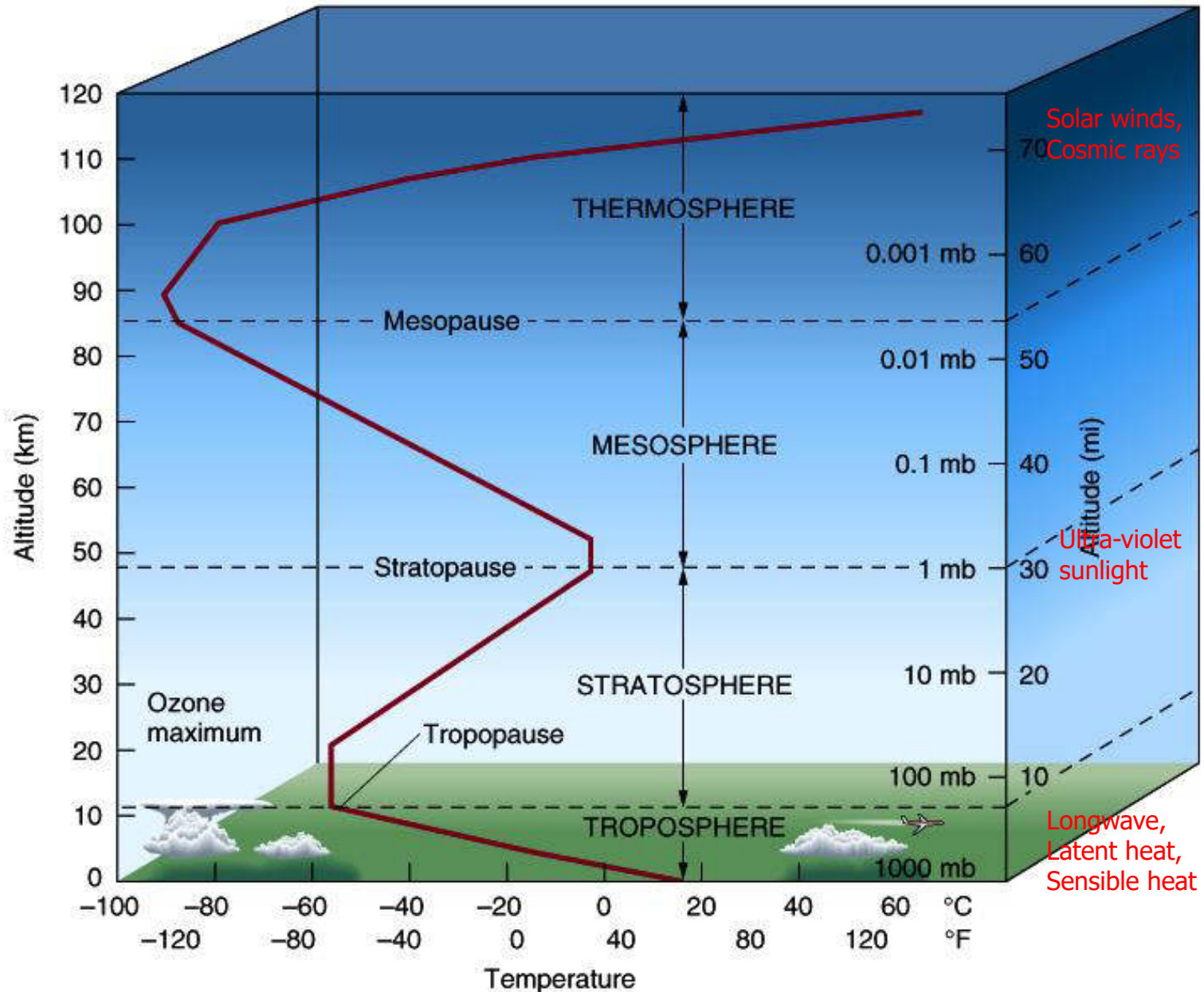
In the pole (9-10Km) : - 45° C to 58° C

6.45° C / Km.

Table

Height from Sea level (in Kms)	Air Pressure with volume (in mb)	Temperature (°C)	Comparrison (km/m³)
0	1013.25	15 ⁰	1.23
0.5	954.61	11	1.17
1.0	898.76	8.5	1.11
2.0	795.01	2.0	1.01
5.0	540.48	-17.5	0.74
10	264.99	-49.9	0.41
20	55.92	-56.5	0.09
30	11.97	-46.5	0.02

Vertical distribution Temperature





Factors

1. Heat transfer
2. Vertical movement of air
3. Moisture
4. Aerosol
5. Different component of gases
6. Season ability
7. Distribution of Land and water
8. Advection
9. Cloudiness of Fog
10. Radiation
11. Convection
12. Latent heat
13. Adiabatic change



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Thank You!