

CHAPTER 6: ATMOSPHERE

ASSIGNMENT: LAYERS OF THE ATMOSPHERE GRAPH

LAYER	BOUNDARY	ALTITUDE (miles)	TEMPERATURE
Troposphere	Tropopause	0	+70 F.
		10	-75 F.
Stratosphere	Stratopause	20	-50 F.
		30	+30 F.
		32	+35 F.
Mesosphere	Mesopause	40	-30 F.
		50	-130 F.
		55	-150 F.
Thermosphere		60	-100 F.
		90	+370 F.
		125	+ 700 F.

Instructions:

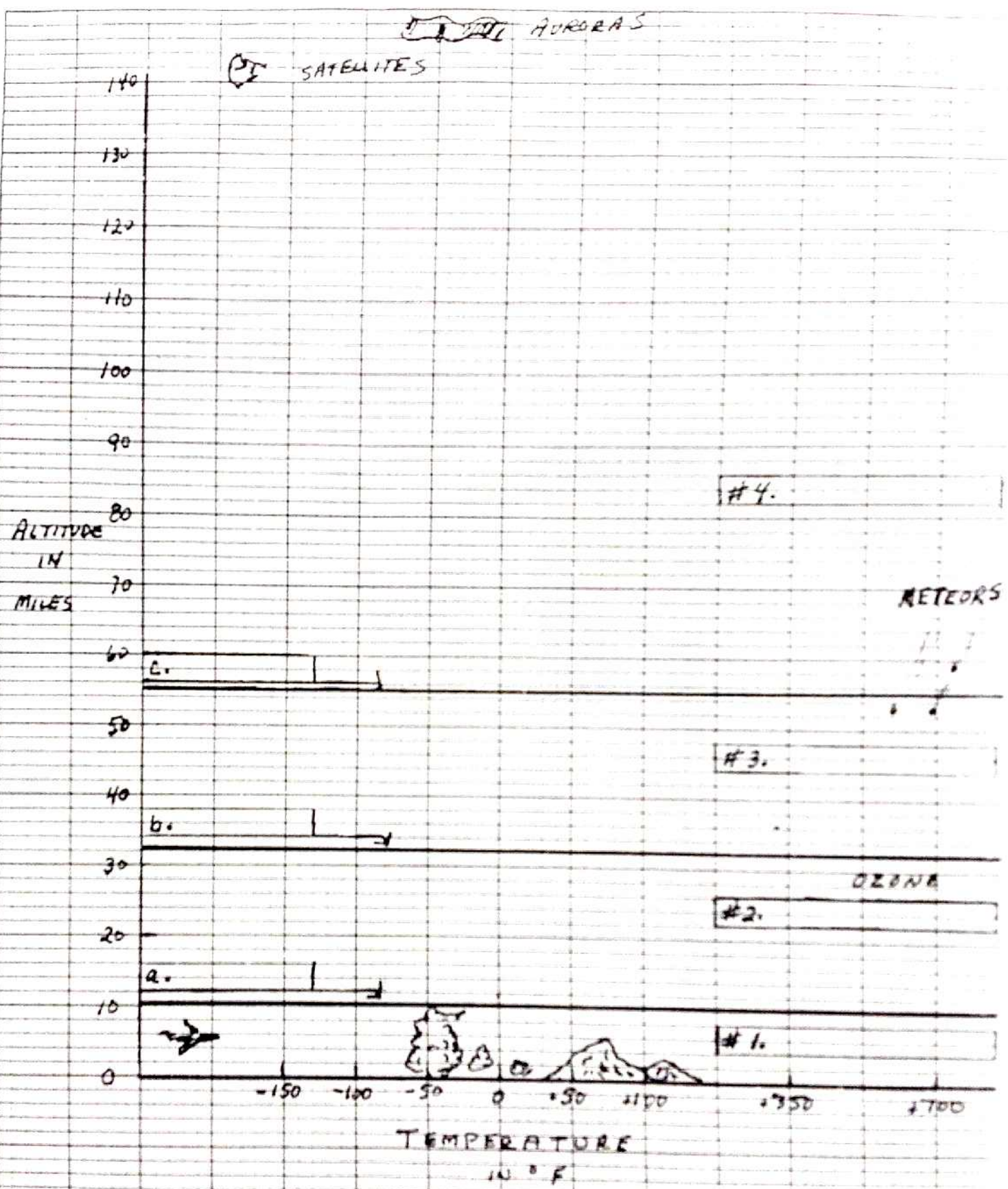
- Plot the above data. Using a straight edge, neatly connect the points from lowest to highest elevation to complete the line graph.
- Label the layers:

1) Troposphere	2) Stratosphere
3) Mesosphere	4) Thermosphere
- Label the boundaries: A) Tropopause B) Stratopause C) Mesopause
- Neatly color each layer a different color. Be sure to complete the key.

Questions:

- The troposphere extends approximately _____ miles up.
- Water and ice clouds are found in the _____.
- Weather occurs in the _____.

4. Propeller aircraft and commercial jets fly in the _____.
5. Special air force jets can even fly in the _____.
6. Meteors generally burn up in the _____.
7. Auroras (Northern Lights) occur in the _____.
8. The troposphere is the only layer in which humans can live without using special equipment for existence. Why?
9. The ozone layer is found in the _____.
10. Describe the temperature change in each layer as the altitude increases (**answer with increases or decreases**).
 - A. Troposphere _____
 - B. Stratosphere _____
 - C. Mesosphere _____
 - D. Thermosphere _____



- TROPOSPHERE
- STRATOSPHERE
- MESOSPHERE
- THERMOSPHERE