

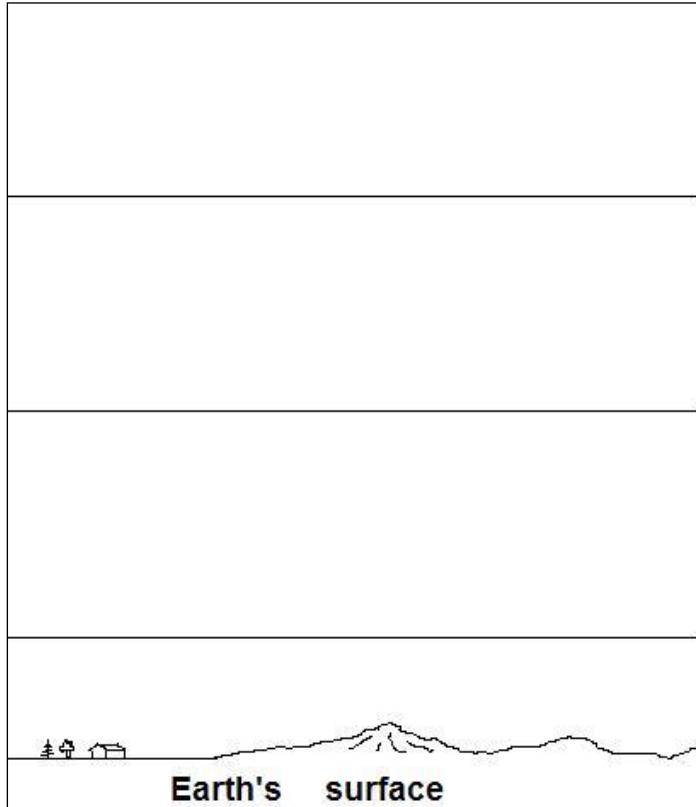
# ATMOSPHERE stations

NAME \_\_\_\_\_ HR \_\_\_\_\_

All tasks should be done with the help of the book "Weather and Climate" pages 6,7, 8, and 9

## **STATION 1**

1. Color the Earth's surface brown.
2. Color the Troposphere white
3. Color the Stratosphere very light blue (push lightly)
4. Color the Mesosphere blue (push darker)
5. Color the Thermosphere purple



## **STATION 2**

1. Name 5 characteristics of the troposphere

1

2

3

4

5

## **STATION 3**

1. What is the air like in the stratosphere?
2. If you were in the stratosphere, could you breathe?
3. Imagine a world with no ozone layer. What would happen to the creatures?

**STATION 4**

The mesosphere is -93 Celsius which is equal to -135 Fahrenheit

1. Could you live in this atmospheric layer? Why or why not?
  
  
  
  
  
  
  
  
  
  
2. What special thing happens in this layer? Look at the picture on page 6.

**STATION 5**

1. If the thermosphere has such a high temperature, why doesn't it feel hot?
  
  
  
  
  
  
  
  
  
  
2. Which layer is the site of auroras?
  
  
  
  
  
  
  
  
  
  
3. How do auroras work?

**The atmosphere provides many benefits for humans. Match the statement with the atmosphere level.**

A= troposphere

B= stratosphere

C= mesosphere

D=thermosphere

\_\_\_\_\_ Makes the rain

\_\_\_\_\_ Burns up meteors

\_\_\_\_\_ Blocks UV radiation

\_\_\_\_\_ Location of Aurora Borealis (northern lights)—you need 2 for this one

\_\_\_\_\_ Gives us oxygen to breathe