

# Hanging Model - Layers of the Atmosphere

## **Materials:**

4 plates	78 dot stickers (1 color)
1 meter of yarn	21 dot stickers (1 color)
Single hole punch	1 dot sticker (1 color)

## **Procedure:**

1. On the back of each paper plate, write one layer of the atmosphere:  
Troposphere, Stratosphere, Mesosphere, and Thermosphere
2. Choose one color dot sticker to represent Nitrogen, one color to represent Oxygen, and one dot to represent other gases. Using one dot of each color, create a key on the back on one of the plates.
3. Following the guide below, stick the appropriate number and color of dot stickers on each labeled plate.
4. Punch a hole in the top of the troposphere plate, and a hole at the top and bottom of each of the other 3 plates.
5. Using the yarn, tie the plates together in order so that troposphere is at the bottom, stratosphere above that, mesosphere next, and ending with thermosphere at the top. Use the top hole of the thermosphere plate to tie a loop so the model can hang.

### **Troposphere**

54 Nitrogen  
15 Oxygen  
1 Other gases

### **Mesosphere**

6 Nitrogen  
2 Oxygen

### **Stratosphere**

16 Nitrogen  
4 Oxygen

### **Thermosphere**

2 Nitrogen

78 Nitrogen dots = 78% Nitrogen in the atmosphere  
21 Oxygen dots = 21% Oxygen in the atmosphere  
1 other gases dot = 1% other gases in the atmosphere