

## Vocabulary

### New:

- \* atmosphere
- \* troposphere
- \* stratosphere
- \* mesosphere
- \* thermosphere
- \* exosphere
- \* compress
- \* meteorologist
- \* variable

### Recent:

- gravity
- satellite
- model

# Layers of the Atmosphere



## 5<sup>TH</sup> GRADE SCIENCE NEWS

This week we're learning about layers of the atmosphere and what happens in each.

## Key Concepts for Unit 3:

1. This unit will dive into Earth's **atmosphere** and the many interactions in our atmosphere.
2. **Air** is a mixture of gases held by gravity near Earth's surface.
3. Air has **mass**, takes up space and can be **compressed**. So air is **matter**.
4. Most of Earth's air is in the **troposphere**, the layer of atmosphere closest to Earth's surface. **Weather** happens in the troposphere.
5. The condition of Earth's atmosphere at a given time and in a given place is how **meteorologists** describe the weather.
6. Weather is described by several **variables**, using different instruments.
7. A **thermometer** is used to measure temperature.
8. A **barometer** is used to measure **air pressure**, or the density of air.
9. A **rain gauge** is used to measure the amount of **precipitation** which has accumulated in a period of time.
10. A **hygrometer** is used to measure the amount of moisture in the air, called **humidity**.
11. A **wind vane** indicates the direction of the wind, while an **anemometer** measures the **wind speed**.

**\*\*Reminder: Moon calendar homework is due to be turned in Wednesday!**