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Activities

The Atmosphere on Other Planets

Name: _____ Date: _____

What is the atmosphere like on other planets? You'll find out in this Planet Diary activity.

Directions

- Click the planet names below. Scroll to the description of its atmosphere found at each link.
  - Mercury
  - Venus
  - Mars
  - Jupiter
  - Saturn
  - Uranus
  - Neptune
- Write the name of the planet matching each fact in the Workspace.

Workspace

Atmosphere Fact	Planet
The atmosphere is mostly carbon dioxide. Thick clouds of nasty sulfuric acid completely cover the planet.	
Blue-green color of atmosphere is due to the absorption of red wavelengths by methane. Smog composed of ethane is present high in the atmosphere.	
The planet's small size means its gravity is too weak to hold much of an atmosphere. Atmospheric pressure at the surface is less than one-trillionth that of Earth.	
Huge rotating storms like the Giant Red Spot are evidence of its dynamic, constantly moving atmosphere. It includes more complex molecules like methane and ammonia.	
Has a Great Dark Spot similar to Jupiter's Great Red spot. Clouds are made up of methane molecules.	
Clouds have yellowish color from sulfur in the atmosphere. Like Jupiter and Neptune, it has a striped pattern of winds.	
Atmosphere is much thinner than Earth's, with surface pressure about 1/100th that of our planet. It's mostly made-up of carbon dioxide, with small amounts of nitrogen, argon, and oxygen. It has one-fourth as much water vapor as Earth's.	

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