Earth s atmosphere facts

The Earth"s atmosphere is an extremely thin sheet of air extending from the surface of the Earth to the edge of space. If the Earth were the size of a basketball, a tightly held pillowcase would represent the thickness of the ...

The atmosphere can be defined as a layer of gases that surrounds the planet Earth or any other celestial body which comprises a sufficient mass. From the surface of the Earth, the atmosphere extends up to 1000 km. ...

It"s a very active part of the atmosphere, and it grows and shrinks depending on the energy it absorbs from the sun. Its name comes from the fact that gases in these layers are excited by solar radiation to form "ions," which ...

Water cycle, cycle that involves the continuous circulation of water in the Earth-atmosphere system. Of the many processes involved in the water cycle, the most important are evaporation, transpiration, condensation, ...

Air, mixture of gases comprising the Earth"s atmosphere. The mixture contains a group of gases of nearly constant concentrations and a group with concentrations that are variable in both space and time. The atmospheric ...

Earth, third planet from the Sun and the fifth largest planet in the solar system in terms of size and mass. Its single most outstanding feature is that its near-surface environments are the only places in the universe known to ...

Space debris, artificial material that is orbiting Earth but is no longer functional. Much of the debris is in low Earth orbit, within 2,000 km (1,200 miles) of Earth"s surface. It is estimated that there are about 200,000 pieces between ...

Earth"s atmosphere is just a mixture of gases surrounding the planet, giving life support, weather, and climate. Composition-wise, it"s: Major Components: It is the dominating gas in the atmosphere and plays a crucial ...

Global warming, the phenomenon of rising average air temperatures near Earth"s surface over the past 100 to 200 years. Although Earth"s climate has been evolving since the dawn of geologic time, human ...

Sunlight reaches Earth"s atmosphere and is scattered in all directions by all the gases and particles in the air. Blue light is scattered more than the other colors because it travels as shorter, smaller waves. This is why ...

When a solar storm comes toward us, some of the energy and small particles can travel down the magnetic

field lines at the north and south poles into Earth"s atmosphere. There, the particles interact with gases in our atmosphere ...

The Earth has an atmosphere composed of 78% nitrogen, 21% oxygen, and traces of other gases including carbon dioxide and water vapor. The atmosphere provides the medium for the important water cycle and life cycles ...

But this research does more than warn of a far-off future. It helps us understand how fragile life on Earth truly is -- and how delicate the balance of our atmosphere really is. In fact, the very ...

Greenhouse effect, a warming of Earth"s surface and troposphere (the lowest layer of the atmosphere) caused by the presence of water vapor, carbon dioxide, methane, and certain other gases in the air. Of those gases, ...

Earth -launched space probes and landers have gathered data on planets, moons, asteroids, and other bodies, and this data has been added to the measurements collected with telescopes and other instruments from below ...

Precambrian, period of time extending from about 4.6 billion years ago (the point at which Earth began to form) to the beginning of the Cambrian Period, approximately 541 million years ago. The Precambrian represents ...

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