

Air mass meaning

Air mass meaning

Britannica : Encyclopedia article about air mass

An air mass is a large volume of air in the atmosphere that is mostly uniform in temperature and moisture. Air masses can extend thousands of kilometers in any direction, and can reach from ground level to the stratosphere--16 kilometers (10 miles) into the atmosphere.

The audio, illustrations, photos, and videos are credited beneath the media asset, except for promotional images, which generally link to another page that contains the media credit. The Rights Holder for media is the person or group credited.

For information on user permissions, please read our Terms of Service. If you have questions about how to cite anything on our website in your project or classroom presentation, please contact your teacher. They will best know the preferred format. When you reach out to them, you will need the page title, URL, and the date you accessed the resource.

If a media asset is downloadable, a download button appears in the corner of the media viewer. If no button appears, you cannot download or save the media.

Text on this page is printable and can be used according to our Terms of Service.

Any interactives on this page can only be played while you are visiting our website. You cannot download interactives.

Our editors will review what you've submitted and determine whether to revise the article.

Air Masses: A large volume of air in the atmosphere that is mostly uniform in temperature and moisture is referred to as air mass. The Earth's atmosphere contains large air masses with similar temperature and moisture. These air masses affect weather and climate in different areas. Meteorologists study them to predict the weather accurately.

Air masses can move thousands of kilometers and can reach up to 16 kilometers high. The idea of air masses was developed by Bjerkens and Bjerknes during World War I and was formalized in the 1930s for short-term weather forecasts (24-36 hours). Understanding air masses helps explain weather, especially in higher and mid-latitudes. The troposphere, the layer of air around the Earth, is not uniform, it is made up of distinct air parcels called air masses.

Air masses can be defined as a large body of air, usually, 1600kms or more, characterized by homogenous

Air mass meaning

physical properties like temperature, and moisture content at a given height.

Air masses come from specific regions where they gain temperature and moisture. These regions can be over land or water and are affected by factors like latitude and wind. There are two main types of air masses:

Contact us for free full report

Web: <https://www.kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

