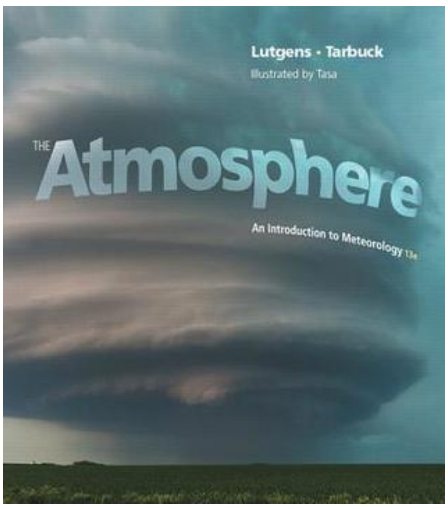

The Atmosphere: An Introduction to Meteorology [with MyMeteorologyLab & eText Access Code]

Frederick K. Lutgens , Edward J. Tarbuck , Dennis G. Tasa

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Using everyday, easy-to-grasp examples to reinforce basic concepts, this highly regarded handbook remains the standard introduction to meteorology and the atmosphere – components, problems, and applications. Includes the most up-to-date coverage of topics such as: ozone depletion; the ultraviolet index; temperature; dew point temperature and orographic effects; wildfires and weather; thunderstorms and lightning; the record-breaking Florida hurricane season; effects of air pollution, and more. Incorporates top-quality visuals, including new satellite images and illustrations by the award-winning Dennis Tasa, to demonstrate the highly visual nature of meteorology. Uses a largely non-technical writing style to help readers grasp important concepts. For those interested in learning more about meteorology.

The Atmosphere: An Introduction to Meteorology [with MyMeteorologyLab & eText Access Code] Details

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From Reader Review The Atmosphere: An Introduction to Meteorology [with MyMeteorologyLab & eText Access Code] for online ebook

Daniel Wright says

A reasonably non-technical introduction to meteorology for idiot geography undergrads*. Not having looked at the subject in about ten years, it served me well.

*By which I mean, the subset of geography undergrads who are idiots, not that all geography undergrads are idiots. Obviously.

Yz says

The text is extremely clear, with helpful illustrations. This is a non-technical book, for those with little mathematical experience. The ordering of the chapters is logical, making the concepts very easy to understand. Connections to real world applications make the concepts more interesting and more approachable. One small complaint is that many of the diagrams are on separate pages from their corresponding text; this makes connecting the diagrams and the text slightly more difficult. However, this does not seriously affect one's understanding of the concepts. Great introductory text for the non-scientist.

Visit my site: http://disappointmentsea.blogspot.com/ for more reviews!

Ibrahim says

"Pacific storms strike the West Coast, while the East is sometimes influenced by events in the Atlantic and the Gulf of Mexico. In the centre of the country, it is common to experience weather events triggered when frigid southward-bound Canadian air masses clash with northward-moving tropical ones from the Gulf of Mexico."

"On average, tornadoes cause more deaths each year than any other weather events except lightning and flash floods .. The majority (63 percent) of all tornadoes are weak and the number of storms decreases as tornadoes intensity increases. The distribution of tornado fatalities, however, is just the opposite. Although only 2 percent of tornadoes are classified as violent, they account for nearly 70 percent of the deaths."

"Along with geology, oceanography, and astronomy, meteorology is considered one of the Earth Sciences - the sciences that seek to understand our planet. It is important to point out that there are not strict boundaries among the Earth Sciences; in many situations, these sciences overlap .. Acted on by the combined effects of Earth's motions and energy from the Sun, our planet's formless and invisible envelope of air reacts by producing an infinite variety of weather, which in turn creates the basic pattern of global climates. Although not identical, weather and climate have much in common .. Weather is the state of the atmosphere at a given time and place .. Climate is average weather + variations + extremes + probabilities that such departures will take place .. Climate data cannot predict the weather .. Climate is what you expect, weather is what you get ..

Temperature, pressure & humidity of air, type and amount of cloudiness and precipitations and the speed & direction of the wind depict weather patterns and climate types."

"The term 'meteorology' was coined in 340 B, when the Greek philosopher Aristotle wrote a book titled Meteorologica, which included explanations of atmospheric and astronomical phenomena."

"other atmospheric hazards (beside tornadoes and hurricanes) are storm related, such as blizzards, hail, and freezing rain. Others are not direct results of storms like heat waves, cold waves, fog, wildfires, and drought."

Roy Huff says

This is definitely a niche book. If you like science, weather, or the atmosphere this is an excellent read. It's straightforward and easy to follow. A textbook for sure, but it is easy enough to understand for the lay read and can provide a basic understanding of the topic for those interested in the subject of weather and how it works.

George Miller says

This book explains Meteorolgical concepts in easy to understand terms. I didn't read the book cover to cover, but I've been using it as a handy reference for an on-line course I'm taking on Meteorology.

If you have an interest in the weather that gos beyond the TV Weather Forecast, you'll find this book handy. I'm glad I purchased it.

Daniela Ra? says

Great resource for an introduction to Meteorology, especially for those without a technical or scientific background.

Eric says

Too basic.

Carrie says

This was my first experience with a Pearson textbook. I was impressed. This was not the most challenging science text, but I don't think it was meant to be as it was chosen for METR 100, an introductory class. I think it would be useful in a high school class also. The content is well written and relatable. Concepts are explained well and diagrams are well designed. There is a flow to the content. I only wish we would have

had access to the online content. I think it would have further solidified the content.

Ibrahim says

"The majority (63 percent) of all tornadoes are weak and the number of storms decreases as tornadoes intensity increases. The distribution of tornado fatalities, however, is just the opposite. Although only 2 percent of tornadoes are classified as violent, they account for nearly 70 percent of the deaths."

H?ng Lê says

ok

Lisa says

This text is an excellent resource for an Introductory Meteorology course. Each chapter and topic built upon learning from the previous chapters and topics. This text not only covered detailed information about all meteorological topics, but also contained current event information from the past decade, news clippings, and common questions that may confuse students. The animations and extras included on the additional CD provided an added resource for further learning.

Lili Mirafzal says

a question of writers: I had translated the book to farsi (persian),the 7th/e, but has not published yet. i want to revise it for the 12th/e; can i publish it, using images and graphs? how can i pay for it; i live in Iran & i have no international credit card. please let me have your helps.
