

# Download free Pearson education science water and atmosphere answers (Download Only)

air makes up earth's atmosphere the air we breathe is 78 percent nitrogen gas 21 percent oxygen 0.9 percent argon and 0.03 percent carbon dioxide along with water vapor floating molecules of water also present are traces of other gases and tiny bits of dust pollen grains from plants and other solid particles the short answer what is earth's atmosphere earth's atmosphere is similar to a jacket for our planet it surrounds our planet keeps us warm gives us oxygen to breathe and it is where our weather happens earth's atmosphere has six layers the troposphere the stratosphere the mesosphere the thermosphere the ionosphere and the exosphere the five principal layers of the atmosphere are the troposphere stratosphere mesosphere thermosphere and exosphere troposphere the troposphere is the layer closest to earth it is the densest layer i.e. contains the most air particles and is where most of earth's weather and cloud formation occurs the troposphere is heated mesosphere noun region in earth's atmosphere between the stratosphere and the thermosphere about 50-80 kilometers 31-50 miles above the earth's surface meteor noun rocky debris from space that enters earth's atmosphere also called a shooting star or falling star ozone layer noun the layers of the atmosphere the troposphere stratosphere mesosphere thermosphere and exosphere noaa troposphere the troposphere is the lowest layer of our atmosphere starting at ground level it extends upward to about 10 km 6.2 miles or about 33 000 feet above sea level the atmosphere is a mixture of gases that surrounds the planet without the atmosphere life on earth wouldn't be possible vocabulary we live at the bottom of an invisible ocean called the atmosphere a layer of gases surrounding our planet nitrogen and oxygen account for 99 percent of the gases in dry air with argon carbon dioxide helium neon and other gases making up minute portions water vapor and dust are also part of earth's atmosphere a february 2019 study using data from the nasa european space agency solar and heliospheric observatory soho spacecraft suggests however that the farthest reaches of earth's atmosphere a cloud of hydrogen atoms called the geocorona may actually extend nearly 391 000 miles 629 300 kilometers into space far beyond the orbit of by tim sharp daisy dobrijevic last updated 23 july 2023 earth's atmosphere protects the planet in more ways than one this thin band of air is unique to earth and we wouldn't exist without jetstream topic matrix the atmosphere introduction to the atmosphere the atmosphere is a layer of gas and suspended solids extending from the earth's surface up many thousands of miles becoming increasingly thinner with distance but always held by the earth's gravitational pull earth's atmosphere is composed of about 78 nitrogen 21 oxygen and one percent other gases these gases are found in atmospheric layers troposphere stratosphere mesosphere thermosphere and exosphere defined by unique features such as temperature and pressure jetstream topic matrix the atmosphere layers of the atmosphere download image the envelope of gas surrounding the earth

changes from the ground up five distinct layers have been identified using thermal characteristics temperature changes chemical composition movement and density explore and critically analyze real world data about changes in atmospheric carbon dioxide levels over earth s history describe what happens when solar radiation interacts with earth s surface and atmosphere explain how greenhouse gases cause earth s temperature to warm teaching approach learning for use teaching methods discussions features of the atmosphere helps retain the sun s heat and prevents it from escaping back into space protects life from harmful radiation from the sun plays a major role in earth s water cycle helps keep the climate on earth moderate there is no boundary between the atmosphere and outer space important atmosphere questions with answers 1 define thermosphere the thermosphere is the region of the atmosphere that lies above the mesosphere in this layer the temperature increases as you go higher up the temperature increases due to the absorption of powerful radiations like x rays and uv rays from the sun 2 earth is the only known planet with an atmosphere true false the outermost layer of the atmosphere is called the troposphere stratosphere thermosphere mesosphere atmospheric pressure remains a constant 1 013 mb at sea level true false pressure decreases rapidly with altitude because the air becomes colder less dense warmer home learn earth s atmosphere share this page the atmosphere is a layer of gases surrounding a planet or other material body of sufficient mass that is held in place by the gravity of the body structure of the earth s atmosphere earth is surrounded by an atmosphere of gases about 800 km deep the gases are densest at the earth s surface 1 nitrogen 78 1 while nitrogen is the most abundant gas in earth s atmosphere it only makes up 0 005 of earth s crust in weight david darling nitrogen is incredibly stable and requires a lot of energy to change forms even though its volume in earth s crust is relatively small nitrogen plays an important role in the nitrogen cycle verified chapter 1 earth s water section 1 1 water and its properties section 1 2 the water cycle section 1 3 surface water and groundwater exercise 1 exercise 2 exercise 3 exercise 4 exercise 5 exercise 6 exercise 7 exercise 8 exercise 9 exercise 10 chapter 2 oceanography section 2 1 earth s oceans and the ocean floor the atmosphere review questions 1 the gas which comprises most of the atmosphere is a oxygen b carbon c nitrogen d helium 2 the top three gases in the atmosphere are a nitrogen oxygen and carbon dioxide b nitrogen argon and oxygen c oxygen neon and argon d helium nitrogen carbon dioxide 3

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the five principal layers of the atmosphere are the troposphere stratosphere mesosphere thermosphere and exosphere troposphere the troposphere is the layer closest to earth it is the densest layer i e contains the most air particles and is where most of earth s weather and cloud formation occurs the troposphere is heated

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the layers of the atmosphere the troposphere stratosphere mesosphere thermosphere and exosphere noaa troposphere the troposphere is the lowest layer of our atmosphere starting at ground level it extends upward to about 10 km 6 2 miles or about 33 000 feet above sea level

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