

Free reading Mcgraw hill study guide answers earth atmosphere (2023)

that is essentially what the earth's atmosphere is like layers upon layers of gas surrounding the earth working to protect the planet we asked rei ueyama an atmospheric scientist at nasa ames research center to explain a little bit more about the function and importance of our atmosphere key points earth is surrounded by a mixture of gases called the atmosphere the composition of the atmosphere is 78 nitrogen and 21 oxygen with the remaining 1 consisting of water vapor argon carbon dioxide and small amounts of other gases solar system earth's atmosphere facts about our planet's protective blanket references by tim sharp daisy dobrijevic last updated 23 july 2023 earth's atmosphere protects the earth's atmosphere is composed of a series of layers each with its own specific traits moving upward from ground level these layers are called the troposphere stratosphere mesosphere thermosphere and exosphere the exosphere gradually fades away into the realm of interplanetary space 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 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 december 1 2020 at 6 30 am earth's atmosphere is all around us most people take it for granted but don't among other things it shields us from radiation and prevents our precious water from evaporating into space it keeps the planet warm and provides us with oxygen to breathe in summary the mass of earth's atmosphere is distributed approximately as follows 50 is below 5 6 km 18 000 ft 90 is below 16 km 52 000 ft 99 99997 is below 100 km 62 mi 330 000 ft the kármán line by international convention this marks the beginning of space where human travelers are considered astronauts 1 troposphere temperature 62 f 17 c around the lowest point to 60 f 51 c near the top the troposphere is the lowest layer of the atmosphere and it is where we live it extends up to 5 to 10 miles 8 to 15 km above the surface it is the densest layer containing more than half the volume of total air atmosphere questions an atmosphere is a blanket of gases that surrounds the earth the atmosphere of the earth is divided into four layers troposphere stratosphere mesosphere and thermosphere these layers are separated based on the temperature read more layers of the atmosphere exosphere this is the outermost layer of the atmosphere it extends from about 375 miles 600 km to 6 200 miles 10 000 km above the earth in this layer atoms and molecules escape into space and satellites orbit the earth at the bottom of the exosphere is a transition layer called the thermopause thermosphere select all of the answers that apply earth's temperature is maintained at an average of 15 c because of our atmosphere's thickness the stagnant atmosphere the water cycle greenhouse gases exosphere thermosphere mesosphere stratosphere troposphere let us find out more about the layers of atmosphere and their importance the hierarchical arrangement of various layers of the earth's atmosphere troposphere the troposphere is the lowest layer in the atmosphere earth is surrounded by a relatively thin atmosphere commonly called air consisting of a mixture of gases primarily molecular nitrogen 78 percent and molecular oxygen 21 percent earth has the conditions for life to flourish oxygen is essential to human life as our lungs respire oxygen and uses it in metabolism while nitrogen is an extremely stable gas it's difficult to break up and use for chemical processes but oxygen will readily take part in chemical reactions because it's an electron thief study with quizlet and memorize flashcards containing terms like 1 what gas makes up the majority of the earth's atmosphere 2 what might happen if the earth didn't have an atmosphere 3 place the following atmospheric layers in sequence from lowest to highest a exosphere b stratosphere c troposphere and more 1 what is the second atmospheric layer from the ground a thermosphere b stratosphere c troposphere d mesosphere correct answer b stratosphere explanation the stratosphere is the second atmospheric layer from the ground it is located above the troposphere and below the mesosphere 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

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that is essentially what the earth s atmosphere is like layers upon layers of gas surrounding the earth working to protect the planet we asked rei ueyama an atmospheric scientist at nasa ames research center to explain a little bit more about the function and importance of our atmosphere

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earth s atmosphere is composed of a series of layers each with its own specific traits moving upward from ground level these layers are called the troposphere stratosphere mesosphere thermosphere and exosphere the exosphere gradually fades away into the realm of interplanetary space

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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

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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

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december 1 2020 at 6 30 am earth s atmosphere is all around us most people take it for granted but don t among other things it shields us from radiation and prevents our precious water from evaporating into space it keeps the planet warm and provides us with oxygen to breathe

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in summary the mass of earth s atmosphere is distributed approximately as follows 50 is below 5 6 km 18 000 ft 90 is below 16 km 52 000 ft 99 99997 is below 100 km 62 mi 330 000 ft the kármán line by international convention this marks the beginning of space where human travelers are considered

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exosphere this is the outermost layer of the atmosphere it extends from about 375 miles 600 km to 6 200 miles 10 000 km above the earth in this layer atoms and molecules escape into space and satellites orbit the earth at the bottom of the exosphere is a transition layer called the thermopause thermosphere

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