



# What type of resource is the sun

What could live on the Sun?

Nothing could live on the Sun, but its energy is vital for most life on Earth. The temperature in the Sun's core is about 27 million degrees Fahrenheit (15 million degrees Celsius) - hot enough to sustain nuclear fusion. This creates outward pressure that supports the star's gigantic mass, keeping it from collapsing.

What elements are found in the Sun?

These elements include carbon, nitrogen, oxygen, neon, magnesium, silicon, sulfur, and iron. Over 50 other elements are found in trace amounts. The temperature of the Sun's surface is 5778 K (5505°C). The energy from the Sun is vital to life on Earth. Not only does it allow life to exist, but it also is the source of most energy humans use.

Is the Sun a star?

Our Sun is a 4.5 billion-year-old yellow dwarf star - a hot glowing ball of hydrogen and helium - at the center of our solar system. It's about 93 million miles (150 million kilometers) from Earth and it's our solar system's only star. Without the Sun's energy, life as we know it could not exist on our home planet.

Is the Sun a good source of energy?

The sun, on the other hand, offers free and clean energy in abundance. In fact, it gives much more energy than we can ever possibly use. The only questions are how and when we will take full advantage of it.

How does the sun provide energy to the Earth?

In addition to providing energy, the Sun's energy warms the Earth to a point that it is habitable (the structure of the atmosphere also helps to ensure that the Earth's energy budget maintains a constant, livable temperature). The Sun also creates weather patterns, ocean currents, and air currents.

What is the relationship between the Sun and Earth?

The connection and interactions between the Sun and Earth drive the seasons, ocean currents, weather, climate, radiation belts and auroras. Though it is special to us, there are billions of stars like our Sun scattered across the Milky Way galaxy. The Sun has many names in many cultures.

What type of resource is the sun and why? The sun is a perpetual resource because solar radiation steadily streams from the sun without interruption and is expected to do so for the next 6 billion years. Natural capital degradation is often the result of \_\_\_\_\_. ...

what type of resource is the sun. human capital. a renewable resource. relatively clean when used responsibly. solar energy. 3 of 3. Term. which of the following is a renewable resource. Choose matching definition. wind. solar. oil. a renewable resource. Don't know? 1 of 3. Term. which of the following is a nonrenewable resource. Choose ...

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Both renewable and nonrenewable resources are used within our society. How do the uses of nonrenewable resources compare to the uses of renewable resources? a. Nonrenewable resources have more applications than renewable resources. b. Certain types of renewable energy can be used for as many applications as certain types of nonrenewable ...

The core is the hottest part of the Sun. Nuclear reactions here - where hydrogen is fused to form helium - power the Sun's heat and light. Temperatures top 27 million °F (15 million °C) and it's about 86,000 miles (138,000 kilometers) thick.

The sun is an abundant and virtually limitless source of energy, and as long as the sun continues to shine, we will be able to generate solar energy. In fact, the National Oceanic and Atmospheric Administration (NOAA) found that "solar energy is the most abundant energy resource on earth -- 173,000 terawatts of solar energy strikes the Earth ...

The sun formed around 4.5 billion years ago. At that time, the area of the Milky Way galaxy that would become the solar system consisted of a dense cloud of gas -- the remnants of an earlier ...

The sun is an unsustainable resource because solar radiation steadily streams from the sun now, but it will only do so for the next thousand years. The sun is a perpetual resource because solar radiation steadily streams from the sun without interruption and is expected to do so for the next 6 billion years.

Study with Quizlet and memorize flashcards containing terms like renewable resource, nonrenewable resource, very high rate of use and more. ... What type of resource is the sun? About us. About Quizlet; How Quizlet works; Careers; Advertise with us; Get the app; For students. Flashcards; Test; Learn; Solutions; Q-Chat: your AI tutor;

Solar energy is radiation from the Sun that is capable of producing heat, causing chemical reactions, or generating electricity. The total amount of solar energy incident on Earth is vastly in excess of the world's energy requirements and could satisfy all future energy needs if suitably harnessed.

Study with Quizlet and memorize flashcards containing terms like Which of the following is a renewable resource? response - correct, Which of the following is a nonrenewable resource?, What type of resource is the sun? and more.

Study with Quizlet and memorize flashcards containing terms like What type of resource is the sun?, Which of the following is a nonrenewable resource?, How could a renewable resource become nonrenewable? and more.

OverviewEtymologyGeneral characteristicsCompositionStructure and fusionMagnetic activityLife phasesLocationThe Sun is the star at the center of the Solar System. It is a massive, nearly perfect sphere of

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hot plasma, heated to incandescence by nuclear fusion reactions in its core, radiating the energy from its surface mainly as visible light and infrared radiation with 10% at ultraviolet energies. It is by far the most important source of energy for life on Earth. The Sun has been an object of veneration in many cultures. It has been a central subject for astronomical research since antiquity.

The Sun. Extended tier only. The Sun transfers energy to Earth by electromagnetic radiation. Most of our energy resources on Earth come indirectly from the Sun. The Sun heats up the atmosphere, creating wind and producing waves. Water evaporated by the Sun falls as rain, filling up reservoirs. Plants grown using sunlight form the basis for fuels - both biofuels and ...

Solar energy is energy from the sun that we capture with various technologies, including solar panels. There are two main types of solar energy: photovoltaic (solar panels) and thermal. The "photovoltaic effect" is the mechanism by which solar panels harness the sun's energy to generate electricity.

The sun is an ordinary star, one of about 100 billion in our galaxy, the Milky Way. The sun has extremely important influences on our planet: It drives weather, ocean currents, seasons, and climate, and makes plant life possible through photosynthesis. ... two types of energy are released: ... Solar energy is a renewable resource, and many ...

What type of resource is sun energy? renewable resource Solar Energy Sunlight is a renewable resource, and its most direct use is achieved by capturing the sun's energy. A variety of solar energy technologies are used to convert the sun's energy and light into heat: illumination, hot water, electricity and (paradoxically) cooling systems ...

Study with Quizlet and memorize flashcards containing terms like which of the following is a renewable resource, which of the following is a nonrenewable resource, what type of resource is the sun and more.

Types of Non-Renewable Resources. Fossil fuels include coal, oil, and natural gas. Modern society relies on fossil fuels for energy more than any other source. Millions of years ago, plants used energy from the Sun to form carbon compounds.

Renewable resources are of two types: perpetually renewable and intermediate renewable resources. Perpetually renewable resources are constantly replenished by the Sun's and Earth's natural processes, no matter how much energy we use each day or over a period. Solar energy is the best example.

The sun is a renewable resource as it provides a continuous and sustainable supply of energy through its radiation. It is not considered a nonrenewable resource as it does not deplete over time and is not finite in nature. A renewable resource is a natural resource that has the ability to replenish or regenerate itself over a relatively short period of time.

The sun is the closest star to Earth. Even at a distance of 150 million kilometers (93 million miles), its

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gravitational pull holds the planet in orbit. It radiates light and heat, or solar energy, which makes it possible for life to exist on Earth. Plants need sunlight to grow. Animals, including humans, need plants for food and the oxygen they produce.

This categorization of natural resources focuses on the ability of a particular resource to be replenished. From this perspective, two different types of natural resources exist. First are renewable resources: the light coming from the Sun, air, wind, and water. All of those resources are the ones that seem to stay here, no matter how much of ...

The Sun is Earth's main source of energy. The Sun gives us both light and heat. The Sun changes hydrogen into helium through nuclear fusion. This releases huge amounts of energy. The energy travels to Earth mostly as visible light. The energy is carried through the empty space by radiation. We can use sunlight as an energy resource, called solar energy.

Once the Sun's energy reaches Earth, it is intercepted first by the atmosphere. A small part of the Sun's energy is directly absorbed, particularly by certain gases such as ozone and water vapor. Some of the Sun's energy is reflected back to space by clouds and Earth's surface. Most of the radiation, however, is absorbed by Earth's ...

The sun seems reliable, stable, and convenient since our Earth is the perfect distance from the sun to maintain our existence. Within the sun, however, is much turmoil; the giant ball of gas is a dense, extremely hot, violent soup of nuclear reactions that is eating up its fuel and coming closer and closer to reaching the end of its life.

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