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## Climate change :

The major causes of damage to the environment. What we can do to reduce carbon footprint and protect the environment.

The evidence that humans are causing climate change, with drastic consequences for life on the planet, is overwhelming , but the question of what to do about it remains controversial. Economics, sociology, and politics are all important factors in planning for the future

Climate change encompasses not only rising average temperatures but also extreme weather events, shifting wildlife populations and habitats, rising seas, and a range of other impacts. All of these changes are emerging as humans continue to add heat-trapping greenhouse gases to the atmosphere.

Countries around the world acknowledged the imperative to act on climate change to reduce greenhouse gas pollution.

Climate change will require many solutions. Yet nearly all of these solutions exist today, and many of them hinge on humans changing the way we behave, shifting the way we make and consume energy. The required changes span technologies, behaviors, and policies that encourage less waste and smarter use of our resources. For example, improvements to energy efficiency and vehicle fuel economy, increases in wind and solar power, biofuels from organic waste, setting a price on carbon, and protecting forests are all potent ways to reduce the amount of carbon dioxide and other gases trapping heat on the planet.

Scientists are also working on ways to sustainably produce hydrogen, most of which is currently derived from natural gas, to feed zero-emission fuel cells for transportation and electricity. Other efforts are aimed at building better batteries to store renewable energy.

But planting trees, restoring seagrasses, and boosting the use of agricultural cover crops could help clean up significant amounts of carbon dioxide.

With My Best Wishes ..... Mohamad Ali Mayassi

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## Rain-forests

Rain forests are called the lungs of the planet for their role in absorbing carbon dioxide and producing oxygen, upon which all animals depend for survival. Rain forests also stabilize climate, house incredible amounts of plants and wildlife, and produce rainfall all around the planet.

Rain forests also prevent soil erosion and regulate water flow, which can help prevent flooding. Without plant cover, erosion and heavy rains sweep the soil into rivers. The trees have deep roots, and when they are torn out and replaced with crops the roots can't hold onto the soil.

Rain forests are disappearing very quickly. The good news is there are a lot of people who want to save rain forests. The bad news is that saving rain forests is not going to be easy. It will take the efforts of many people working together in order to ensure that rain forests and their wildlife will survive for all people to enjoy and benefit from.

:Some steps for saving rain forests

Teach others about the importance of the environment and how they can help save rain forests.

Planting more trees on land where forests have been cut down.

Encourage people to live in a way that doesn't hurt the environment.

Establish parks to protect rain forests and wildlife.

Support companies that operate in ways that minimize damage to the environment.

With My Best Wishes .....Mohamad Ali Mayassi

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## Arabian leopard

Write an essay about the Arabian leopard and conservation efforts in the UAE.

The Arabian leopard is native to the Arabian Peninsula. It has been listed as Critically Endangered as fewer than 250 wild individuals were estimated to be alive in 2006. The Arabian leopard has colors that vary from pale yellow to deep golden, tawny or gray and are patterned with rosettes.

At a weight of about 30 kg and 182–203 centimeters long for the male and around 20 kg and 160–192 centimeters long for the female.

The Arabian leopard lives in mountainous uplands and hilly steppes, but seldom moves to open plains, desert or coastal lowlands. Leopards are considered extinct in the United Arab Emirates. The leopard is officially protected in the country. Leopards are considered rare and close to extinction due to direct depletion of wild prey.

Arabian leopards are predominantly nocturnal, but are sometimes also seen in daylight. They seem to concentrate on small to medium prey species. The main prey species comprise Arabian gazelle, hares, porcupine, small rodents, birds, and insects.

Females give birth to two to four cubs in a cave amidst boulders or in a burrow. Leopard cubs are born with closed eyes that open four to nine days later. Cubs remain with their mother for up to two years.

The Arabian leopard is threatened by habitat loss, degradation and fragmentation, and the depletion of its prey, such as the mountain gazelle and the Arabian Tahr, caused by unregulated hunting. In places such as Yemen, Arabian leopards are under particular pressure from hunting, capture for trade, and retaliatory killing from local shepherds in defense of livestock. The leopards are also caught live and sold at a high price as pets or for private collections.

Massive conservation efforts are underway, with the region's first captive breeding group established at the Omani Mammal Breeding Centre in Muscat in 1985, and several successful captive breeding efforts at Sharjah Breeding Center for Endangered Arabian Wildlife. But without an extensively protected wild habitat, the future of the Arabian leopard might be in zoos and private

collections – and that’s the best-case scenario for the species that is currently on the brink of extinction.

Sharjah’s BCEAW has successfully bred 35 Arabian leopards since a male from Yemen and a female from Oman were brought together in 1998. As part of Sharjah government’s Arabian leopard conservation program launched earlier this year, the center conducts a large number of workshops and activities to educate students of schools and universities and families on the importance of protecting the leopard’s ecosystem.

With My Best Wishes

..... Mohamad Ali Mayassi

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RENEWABLE ENERGY

IS RENEWABLE ENERGY GOOD FOR THE ENVIRONMENT?

If a source of energy is renewable, that doesn’t mean it produces little or no greenhouse gas emissions. It can be toxic, hazardous, or environmentally catastrophic. A renewable source is basically something that can’t be used up because it can be recreated somewhat quickly.

Fossil fuels and nuclear aren’t renewable because these fuels were created millions of years ago. Meanwhile, wood, ethanol, bio diesel, agriculture waste, and methane from cows are considered renewable, even though using these for fuels generates plenty of carbon dioxide. Some of them, like wood, produce hazardous airborne particulates, too.

The difference is that these renewable energy fuels came from plants that grew relatively recently. Proponents argue that growing new plants for the next cycle of fuel will trap carbon dioxide from the first cycle’s emissions. In practice, this argument doesn’t always hold, for various reasons. In some regions, dense carbon-trapping rain-forest was removed to grow a single layer of plants for bio fuel production, creating a net increase in carbon dioxide that will not be compensated. Also, bio fuels are processed and transported using forms of

energy that are largely still fossil-based. Furthermore, using food plants for fuel increases the food prices and has already resulted in food shortages abroad.

Some renewable fuels do a better job of having a closed cycle of plants to fuel to plants than others, but most government incentives and rules don't prefer one kind to another. And some rules designed to support methane production from biological sources like agriculture end up benefiting natural gas producers that drill for methane (natural gas) produced millions of years ago.

Of course, renewable fuels like wind, sun, geothermal, and ocean energy don't rely on agriculture at all.

With My Best Wishes ..... Mohamad Ali Mayassi

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## Pollution

Pollution is one of the biggest environmental problems but still many people do not take pollution problem seriously as they should be. Many people still think that we can dump our garbage all over the planet without any consequences which is not true. Since the start of industrial revolution, we have been continuously heavily polluting our planet, caring only for economic development, and not caring at all for the health of environment we live in. Such lack of ecological conscience has caused severe pollution across the whole planet. Levels of air, sea, and water pollution are extremely high, and are constantly growing because industry isn't letting go.

The main sources of pollution are definitely industry and vehicles. Heavy industries based on fossil fuels are especially dangerous for our environment.

Heavy pollution not only makes our environment ugly but is also the source of many respiratory diseases that are taking many human lives year after year.

Nature has been created in such a balance to maintain all the conditions necessary for life. However, man is upsetting the balance and is destroying the environment. Burning fuels in factories and motor engines has increased the amount of CO<sub>2</sub> in the atmosphere and will cause green-house effect. Using CFC's in perfume bottles, fridges, air conditioners and food industry will cause a great damage to the ozone layer which protects us from harmful rays. Burning and cutting down rain-forests increase the amount of CO<sub>2</sub>, make the land infertile and destroy medicinal plants. Using detergents, pesticides and weed-killers cause water pollution which is an important problem as man needs pure water for drinking.

However, a lot of possible solutions can be done to save and protect our environment. New sources of energy can be developed such as wind power . Other harmless gases can be used instead of CFC's and cardboard and paper instead of plastic. Old fridges and AC could be returned to the manufacturers to reuse the CFC's. All factories should be moved away from the beaches and all vessels in the sea should be under observation.

With My Best Wishes ..... Mohamad Ali Mayassi

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## Environment

The earth is the place that we live on and where we want our children to live safely. If we really want to enjoy the true life, we must keep our earth green and clean. And we will be able to live a healthier, longer and cleaner life. Keep it clean means keep your surroundings clean, keep it healthy means keep your body fit. If you keep your earth clean and green, it will keep your life a bit healthier.

If you keep yourself clean, you probably are going to live a healthier life. And if you keep your earth clean and green you are going to make yours as well as others life even healthier. If you can add some value to the life of yours and others, you will be a hero for others.

We directly or indirectly throw a big amount of waste every day. And many of us throw it in dustbins, but few of us throw it away or around the way. Not using dustbins is a bad sign of bad manners, plus this habit is a dangerous cause of affecting public health as the viruses in the garbage damages human health. We should make it our habit to use dustbins and should throw such useless things and garbage in dustbins. We should make public life a bit healthier.

We use our own vehicles to move from one place to another, thus We should make it our habit to use dustbins and should throw such useless things and garbage in dustbins. But what if we use public transport system and make the environment pollution lesser. Not every time, but at least when it is possible for us to use public transport, we must use it so that we can contribute to green environment and we can set an example for others too.

One way to control the environment pollution is to control your spending. By controlling your needs, you can help the world stop environment pollution and can make your earth clean and green.

Always teach your little ones to keep their body, and surroundings clean and thus teach them how to keep the earth clean and green. While they are growing up in their life, making a clean and green habit will help them grow as noble citizen of world and will help them make this beautiful earth even more beautiful.

And finally, grow habit of planting as much trees as possible. If you wish to enjoy the healthy life and if you wish your next generation be out of any shortage of green environment, grow as much trees as possible and make this earth green in real meaning.

With My Best Wishes ..... Mohammad Ali Mayassi

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## Light and sound pollution

In the process of human evolution man has made several changes in the environment. Manmade noise and light pollution are now becoming one of the increasing threats to the environmental health and nature. Noise and Light pollution affect several species, habitats and their behavior.

Man has changed the world in many different ways. We have lost silent and completely dark or moon and star lit nights. Some time we may realize the value of them in the middle of the forest, desert or any other area deprived of human civilization.

Noise pollution or noise disturbance is the disturbing or excessive noise that may harm the activity or balance of human or animal life. The source of most outdoor noise worldwide is mainly caused by machines and transportation systems, motor vehicles engines, aircraft, and trains. Outdoor noise is summarized by the word environmental noise. Poor urban planning may give rise to noise pollution, since side-by-side industrial and residential buildings can result in noise pollution in the residential areas.

High noise levels can contribute to cardiovascular effects in humans and an increased incidence of coronary artery disease. In animals, noise can increase the risk of death by altering predator or prey detection and avoidance, interfere with reproduction and navigation, and contribute to permanent hearing loss.

Light pollution is excessive, misdirected or inappropriate outdoor lighting. Too much of light pollution washes out view of the Universe, result in increase in the energy consumption, interferes with astronomical research, disrupts ecosystems, affects the health and safety of humans and wildlife. It may surprise you to know that light pollution can have as great an impact on the planet as levels of carbon monoxide and other airborne pollutants.

When most people talk about light pollution, they are speaking of all the ways that man made light is changing the natural lighting of the environment. For example, all the lights of a city change the way light and dark fall. There is really no more night there, and plants or animals that are dependent on that night illumination are compromised. There are other reasons why maintaining natural light is important too.

Light and sound pollution is an excess of anthropogenic (human caused) light and sound, that occurs beyond the natural levels. This is most commonly found in urban areas due to the high density of lights from buildings, street lights, cars, and so on.

Human caused light and sound pose a major threat for bird populations, with the accelerating growth of urban development.

Changes to natural lighting have also caused changes to health, mating and predation. While changes to natural sound levels have affected bird communication, mating, and social behavior.

Bird researchers have begun raising awareness on the effects of light and sound pollution through citizen science programs. Once we understand how birds are affected, we can work towards a solution to help protect bird populations.

With My Best Wishes ..... Mohamad Ali Mayassi

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## Negotiating

You are going to negotiate a deal. Remember to use what you have learnt to reach an agreement.

Negotiating the right deal with your suppliers doesn't necessarily mean getting what you want at the cheapest possible price. You may want to negotiate other factors such as delivery times, payment terms or the quality of the goods.

Most business owners would view a good deal as one that meets all their requirements. But there are many other factors to consider, such as whether you want to do business with a particular supplier again. Both sides should

conclude a negotiation feeling comfortable and happy with the agreement. Negotiations can be unsuccessful if either side feels forced into a corner.

You need to bear in mind when setting objectives for purchase negotiations. These might include: price, value for money, delivery payment. Before you start to negotiate, draw up a list of the factors that are most important to you. Decide what you are - and aren't - prepared to compromise on.

Remember that if you want to do more business with the supplier in the future, you should aim to strike a deal that both parties are happy with. Although getting the best possible deal in the short-term is important, a good relationship in the future may help you get even cheaper prices or other perks, such as priority delivery. Don't

It's essential to plan your strategy in writing before beginning negotiations. This will help you set clear goals and work out where you will draw the line and walk away from the deal. Before you start negotiating, state the aspects of the deal you're happy with and the points you want to discuss. Ask the supplier to do the same.

Never accept the first offer. If the price includes features you don't need, try to lower it by asking to remove those features from the deal. Use your bargaining power to get a good deal.

It's also a good idea to get references for the supplier from other customers. The supplier should be happy to put you in touch with some of its previous clients.

Aim to get a contract that protects your interests and that shifts legal responsibility for any problems to the supplier. Make sure that your contract covers the level of after-sales service you require.

With My Best Wishes ..... Mohamad Ali Mayassi

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## How to be a successful businessman

To be a businessman you have to do many things. First you have to plan your appointments, meetings and calls. You should also plan your work for the day, week, month and year. A successful businessman uses computers, internet and e-mails. You should also answer the customer's letters, messages, phones and faxes. You should not neglect your customers and always provide them with the information they need. As a successful businessman, you should dress well and believe in your abilities. You yourself should have enough information about products and mass media to advertise your products. Motivate your work team with rewards, and do not forget to reward yourself by taking short holidays.

(Mohamad Ali Mayassi)

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## An Earthquake

The world has seen many disasters over the years. It's very difficult to rank them because there are different ways of defining "worst" some would just count the dead; others would include the injured. These disasters take a lot of lives every year.

An earthquake is the result of a sudden release of energy in the earth's crust that creates seismic waves. The most recent large earthquake of magnitude 9.0 or larger and it was the largest Japanese earthquake since records began. The shallower an earthquake, the more damage to structures it causes, all else being equal.

At the Earth's surface, earthquakes manifest themselves by shaking and sometimes displacement of the ground. When the center of a large earthquake is located offshore, it will cause a tsunami .

Earthquake damage depends on what area is hit. If it hits a large city, there may be many injuries and destruction. Major earthquakes hitting those areas today could produce terrible damage.

A major earthquake can collapse skyscrapers, factories, and power plants. They can cause landslides and avalanches. Millions of people could feel the shock waves because of the aftershocks, tsunamis, landslides and floods, and social effects.

Earthquakes have the power to uproot trees and send them crashing into buildings. They can cause landslides and avalanches. Violent earthquakes often cause structures to collapse, burying people underneath.

Constructions on soft or filled-in soil suffer the most because they feel shock waves most directly. Buildings on bedrock suffer less damage because the ground is firmer.

The shaking of the earth is sometimes not the greatest disaster. It is in the fires and floods that follow this shaking and the greatest damage occurs. In the 1906 earthquake, it was the subsequent fires that did the majority of the damage. An earthquake can also destroy dams high above a city or valley, causing floods to sweep down and sweep away everything in their path.

A 60-second or less earthquake can cause devastation that continues for years after the first tremor. In 1972, a series of severe earthquakes struck Managua, Nicaragua. Fifteen years later, the city still looked the way it had a week after the earthquake hit, because the country did not have the money necessary to rebuild.

We pray to God to protect us and our countries from such disasters and keep their harm and damages away.

( Mohamad Ali Mayassi )

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## Which is better to work for yourself or to have a boss?

It's true; working for you can be frustrating, scary, difficult and a constant struggle. On the whole though, to me, working for you is the ultimate in personal freedom and fulfillment.

For everything about being self-employed that is a struggle, there are tons of other things that are way better than working for a boss. Working for yourself means you have no one to blame but yourself. Looking for other people to blame is a waste of time. You don't have to worry about getting a new boss who is a troublesome.

Vacation time is nearly unlimited. Sure, you work a little, but mostly you just relax and enjoy yourself. You decide when you work and when you don't. You choose which projects to work on. You don't have to pursue things you aren't interested in because you know that following your passions is a better way to succeed.

You can live where you want to. You can actually be yourself. You don't have to sit through endless, pointless, action fewer meetings. The office coffee is much better. If you get tired of your office surroundings, you can change your scenery anytime.

You don't have to feel guilty about doing personal things. Who you work with is up to you. You're in charge of hiring; you get to select the clients; you get to choose the freelancers and consultants. You can choose people who inspire and motivate you and leave out the jerks or boring people. If you don't want to do something, in most cases you don't have to do it. Your income is limited only by your creativity and willingness to work.

(Mohamad Ali Mayassi)

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## Write about the weather and climate in the UAE.

The Climate of United Arab Emirates features a desert climate with hot summers and cool winters. Most days are sunny and pleasant except the middle of the summer season July and August when it's very hot in UAE.

The most pleasant period to visit and travel around UAE is during winter season which runs from October to March the weather is moderate and pleasant making it ideal to go for sightseeing Tour or indulge in outdoor activities.

The spring and autumn months are also great times to visit United Arab Emirates. Spring months are from March to May when the temperature begins its steady climb towards the summer peaks and autumn months starts from September as temperatures begin to fall steadily.

Tourists experience the winter season in UAE between of October to March. This period is considered to be the best with respect to the weather conditions as the temperature comes to a more comfortable level.

Rainfall in UAE is irregular and does not last for a long period. UAE experiences short and infrequent rainfall with an annual average of 5 days. It mostly rains during the winter period.

UAE, summer starts in late May and lasts till September in UAE. The weather is hot in UAE and the humidity is very high.

Although in summer the weather is hot, you still have few months to take advantage of like May June and September when the temperature is hot but quite bearable.

(Mohamad Ali Mayassi)

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## Digital communication

Communication has been one of the deepest needs of the human race throughout recorded history. It is essential to forming social unions, to educating the young, and to expressing a myriad of emotions and needs.

Good communication is central to a civilized society. The various communication disciplines in engineering have the purpose of providing technological aids to human communication. One could view the smoke signals and drum rolls of primitive societies as being technological aids to communication, but communication technology as we view it today became important with telegraphy, then telephony, then video, then computer communication, and today the amazing mixture of all of these in inexpensive, small portable devices.

Initially these technologies were developed as separate networks and were viewed as having little in common.

As these networks grew, however, the fact that all parts of a given network had to work together, coupled with the fact that different components were developed at different times using different design methodologies, caused an increased focus on the underlying principles and architectural understanding required for continued system evolution.

The world we live in today is ever changing with the advancement of technology in our daily aspect of life. Technology has changed and improved the way we communicate and relate with each other, the way we shop, do businesses, the way we make plans for the future and has gone far by bringing the world closer than ever before. Communication is the backbone of interacting with other people. It is imperative to have effective communication because unclear messages lead to poor results.

We live in the communication world of cellular phone, faxes, video conferences, internet connection and many more. The combining of technology and communication brings immediacy, integration, access and collaboration.



The advantages associate with digital communication systems include: a common format for encoding different kinds of message signals, an improved security of message, increased immunity to noise and external interference and flexibility in configuring digital communication systems.

The disadvantages associate with digital communication systems include: increased transmission, increased system complexity, it is unreliable as the messages cannot be recognized by signatures, sometimes, the quickness of digital communication is harmful as messages can be sent with the click of a mouse and Digital Communication has completely ignored the human touch.

Although digital communication is becoming increasingly attractive for practical use, it is a fact that analog communication systems are still in existence. Most of the broadcasting systems and a large part of telephone networks in use today are analog in nature.

(Mohamad Ali Mayassi)

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## A global world currency

An alternative definition of a world or global currency refers to a hypothetical single global currency or super-currency, produced and supported by a central bank which is used for all transactions around the world.

Advocates, of a global currency often argue that such a currency would not suffer from inflation, which, in extreme cases, has had disastrous effects for economies. In addition, many argue that a single global currency would make conducting international business more efficient and would encourage foreign direct investment .

There are many different variations of the idea, including a possibility that it would be administered by a global central bank that would define its own monetary standard or that it would be on the gold standard. Supporters often point to the euro as an example of a supranational currency successfully

implemented by a union of nations with disparate languages, cultures, and economies.

A limited alternative would be a world reserve currency issued by the International Monetary Fund, as an evolution of the existing special drawing rights and used as reserve assets by all national and regional central banks. On 26 March 2009, a UN panel of expert economists called for a new global currency reserve scheme to replace the current US dollar-based system.

Another world currency was proposed to use conceptual currency to aid the transaction between countries. The basic idea is to utilise the balance of trade to cancel out the currency actually needed to trade.

In addition to the idea of a single world currency, some evidence suggests the world may evolve multiple global currencies that exchange on a singular market system. The rise of digital global currencies owned by privately held companies suggest that multiple global currencies may offer wider formats for trade as they gain strength and wider acceptance.

Some economists argue that a single world currency is unnecessary, because the U.S. dollar is providing many of the benefits of a world currency while avoiding some of the costs. If the world does not form an optimum currency area, then it would be economically inefficient for the world to share one currency.

In the present world, nations are not able to work together closely enough to be able to produce and support a common currency. There has to be a high level of trust between different countries before a true world currency could be created. A world currency might even undermine national sovereignty of smaller states.

With My Best Wishes .....Mohamad Ali Mayassi