

Unit 8

Think and Discuss page.129

Which do you think it's more interesting the space or the ocean? Why?

Personally, I say the ocean because I want to study marine biology and I have always had a very big passion for the ocean and its wildlife.

Do you think it's more useful to explore the ocean or space? Why?

The ocean because I feel it is more useful for us to have more knowledge about what resides in our planet instead of what exists outside of it.

Explore the Theme Page.130

A.Look at the information on these pages and answer the questions.

What is the Milky Way? What do we know about it?

The Milky Way is the name we have given the galaxy in which we live in and we have learned that there are hundreds of billions of stars inside it.

In which part of the Milky Way do we live?

We live in the part of the galaxy identified as the Orion Arm.

What does the Milky Way look like when seen from Earth?

In our perspective, The Milky Way looks like a band of cloudy lights that stretches across the sky.

B.Use The correct form of the words in blue to complete the sentences.

Our planet is called Earth.

Earth has just a single moon while Jupiter has 67.

The sun is a star.

Preparing to Read Page.132

A.Building Vocabulary

Discover 1.to find something for the first time.

Reach 2.to arrive at.

Exited 3.very interested and happy.

Suitable 4.right for something.

Nearest 5.close not far.

Distance 6.the amount of space between two things.

B.Using vocabulary

1.Which planet is the biggest in the solar system?

Jupiter is the biggest planet in our solar system.

2. Which is nearer the sun: Mars or Venus?

Mars is nearer to the sun.

3. Why do you think conditions on Pluto are not suitable for life?

Because it is too far from the sun to be able to preserve any living creatures in it.

C. Previewing, Discuss

What two questions does the author ask?

The author asks if there are other planets like Earth and if people could live there for a single day.

What do you think the answer to these questions are?

Personally, I do think there are planets like Earth and I also think there is a possibility that people would be able to survive on it.

Understanding the Reading Page. 135

A. Understanding main ideas

- E 1. Traveling to exoplanets is difficult because they are very far away.
- C 2. Exoplanets that are similar to Earth might have water and maybe even life.
- B 3. Astronomers have found many exoplanets.
- D 4. Scientists found seven Earth-like exoplanets around the same star.
- F 5. In the future, new technology may allow humans to travel to an exoplanet.

B. Understanding details

What is an exoplanet? B

According to the passage what is true about Alpha Centauri? A

What does Andreas Tziolas believe? B

C. Complete the notes

The system contains seven exoplanets that are similar size to earth.

They are very close to the star, but Trappist-1 is very cold compared to other stars.

The planets may have water and possibly life.

D. Check the speculation sentences.

4. temperatures

A. Taking notes

Astronomers use new technology to find exoplanets.

So far we found more than seven.

Some may be like Earth.

B.Applying

Main Idea: In the next century, it is believed that we will find a way to travel intergalactically.

Detail: Many Scientists believe that this method of travel will be possible in the near future.

Detail: The studies that these have made point to the idea of reaching the next star within the next decade or so.

Before Viewing Page.137

A.Discussion

Where are the people? What do you I think they can learn from exploring a place like this?

They are in one of many caves in Florida. They would learn the biodiversity of these caves and how far or deep these caves can go.

B. Vocabulary in context

1. Not flat, having a shape. **Three-dimensional**
2. Water moving in one direction. **Currents**
3. A place in which it's difficult to find your way, like a maze. **Labyrinth**
4. To hit a surface and then quickly move away from it. **Bounce**

C. Learning about the topic. Page 138

What 2 things did the divers find when the caves first explored?

When It was first explored, they found the bones of land animals that lived thousands of years ago.

What did this tell the explorers about the area?

This let the explorers know that a long time ago the area was above sea level.

Preparing to read. Page 139

A. Building Vocabulary.

1. **Mystery** – Something you can not explain or understand.
2. **Vehicle** – A machine that moves people or things from one place to another.
3. **Covers** – To make a layer over the top of something.
4. **Deep** – Far below the surface of something.

B. Building Vocabulary

1. Variety
2. Beginning
3. Illness
4. Completed

C. Using Vocabulary. Discuss

1.
 - Sharks
 - Octopus
 - Lobsters
2.
 - Boats
 - Submarines
 - Kayaks
3.
 - Flu
 - Cold
 - Fever

Understanding the reading. Page 142

A. Understanding the gist.

A.

B. understanding details

1. 71%
2. We only know 5% of our Oceans
3. Some areas of Mars
4. Deep sea
5. Las Gemelas
6. Costa Rica
7. Mariana trench
8. James Cameron
9. Pictures
10. Ocean Samples
11. Life on our planet began

12. Underwater earthquakes

13. Tsunamis

C.Critical Thinking

1.Imagined

2.Hidden

3.Discoveries

D.Critical thinking and analyzing

What do ocean scientists study underwater?

They tend to study biodiversity and landscaping.

Why is the work useful? What are some possible benefits?

The work could contribute to medicine and could even benefit cancer patients.

Exploring written english. Page 143

A.Read the information

1. Don't think
2. Think
3. Don't believe
4. Believe
5. In my opinion, is
6. In my opinion, don't have

B.write your opinion

- 1.I believe that spending money by studying the oceans is not a waste of time and money.
- 2.I really don't know if there's a life form from other planets looking for us but if they are, I don't want to know.
- 3.people living on a exoplanet 100 years from now I don't really think it's going to happen, maybe 200 or 300 years from here.

C.read the information below

- 1.I think most people in the future will live in tall apartment building.
- 2.Cities like New York and Benjing might be even more crouded.
- 3.People might never need to leave their apartment building.
- 4.Most people will work from home in my opinion.

D.select the best option

- 1.Might
- 2.May
- 3.Will
- 4.May
- 5.will

- 1.correct
- 2.might
- 3.correct
- 4.may
- 5.might

Writing Task Page.146

Goal

Express your opinion about the future of space or ocean exploration

I believe that if we dedicated more time and money exploring the space or ocean we could learn more about us but we don't take it serious. Exploring these can lead to mayor knowled of our habitat too. But in the future, I really don't know what it could be like. I can only imagine what could happen or be, and I really hope that it'll be amazing and fulfilling for us humans and the environment. There's mayor possibilities but, only if we dedicate ourselves, including the government, that's when they be achieved.

Well some of the things I can see about our future about space and the ocean would be the following. The future possibility of actually traveling to space with lightweight equipment. Or even the goal of actually living in a external planet. Maybe we can figure out new species under whater and know their cualities or if some can be medicinal. But for some reason it might be a distant goal for us humans because it's must be real complex to conquer. 100 years ago people thought that in these years that we are living on there could be flying cars and busses moving with solar energy but that not going on. Or that there could be more possible ways to live among trees and plants and animal's habitat without destroying or bothering. In conclusion, I don't see much process of these inventions and exploration occuring because we don't take evolution in a sustainable and creative way serious.

A.Planing

Astronomers study space because...

It's complex, interesting, magnifisent, most likrly beautiful, involves critical thinking, it's unusual and new.

Ocean scientist study the sea because...

It's fresh, cmplex, it migh not have an end because the ocean is huge, involves critical thinking, fascinating creatures to discover, the water and it's creatures are pure and amazing to know about.

B.Fist draft

I believe that the government should spend more money on Ocean exploration than space exploration.

With Ocean exploration, we can learn more about its biodiversity.

Also, It can help us understand how we are affecting and being affected by changes in earth's environment including the changes in weather and climate.

Finally, it can help us better understand in response to earthquakes tsunamis and other hazards.

C.Editing

I believe it doesn't need to be edited.

Unite Review

1. What are two phrases you can use to introduce your opinion?

Two phrases I can use to introduce my opinion are "In my opinion" or "I think/believe".

2. What can people learn by studying the deepest part of our oceans?

We could learn about the biodiversity in it also if there's humanlike objects that let us know our past and finally maybe even new creatures that might contain new medicine out of them or simply know its existence.