

NOMBRE Y APELLIDOS _____

Holiday in space

One adjective you do not normally associate with NASA, The North American Space Agency, is 'poor', but with dozens of other international projects competing for government money, the space scientists are seeing their budgets cut.

However, this is a problem with a solution: tourism. Allowing very rich guests to ride in empty space shuttle seats or spend a few nights on the international space station could save NASA a very large amount of money.

Experts say that the U.S. space programme could have solved its financial problems if it had filled spare seats on past shuttle flights. The shuttle usually has five or six astronauts aboard but is normally equipped with seven or eight seats – plenty of room for a couple of millionaire tourists.

The first, and so far only, space tourist, was a Californian millionaire, Dennis Tito, who paid a fortune to accompany two Russian cosmonauts to the Alpha space station in May 2001. He absolutely loved the experience and television pictures of his return to Earth showed him happy and smiling. It has been calculated that his trip paid the wages of more than 10,000 aerospace workers for a year and a half.

Opening up space to paying customers would increase the demand for transportation into orbit. This could eventually reduce the cost of space access by up to three-quarters, and the proposal is being seriously looked at by high-ranking NASA officials.

1 Are the sentences true or false? Give reasons for your answers. (2 marks)

- 1 NASA has more money than before.
.....
- 2 Experts agree with the idea of space tourism.
.....
- 3 Dennis Tito didn't enjoy his space trip.
.....
- 4 NASA is interested in developing space tourism further in the future.
.....

2 What would be the benefits of space tourism? Answer the question in 25–50 words. (3 marks)

3 Choose the correct definitions for the words as they are used in the text. (1 mark)

- 1 cut (line 5)
 - a increased
 - b reduced
 - c stabilised
- 2 spare (line 13)
 - a new
 - b cheap
 - c extra
- 3 trip (line 23)
 - a job
 - b travel for a short time
 - c experience
- 4 high-ranking (line 30)
 - a important
 - b talented
 - c special

4 Complete the sentence with the correct form of the verb in brackets. (1 mark)

I (1 visit) the space programme today and by the end of next week I (2 finish) the training programme.

5 Write about one of the following in about 100 words. (3 marks)

- a Imagine you have been on a holiday in space. Write a letter to your family or friends describing your trip.
- b 'The money spent on space travel could be used for much better causes on Earth.' What do you think?

Total: 20 marks

NOMBRE Y APELLIDOS _____

Sport or exercise?

John Martin lived a similar lifestyle to the majority of late-teenagers until he decided to change his ways.

5 'I was never that keen on sport at school and when I left, my body began to feel the pressure of an unhealthy lifestyle. Luckily I hit upon the simple and obvious solution: exercise.'

10 Most people know that you can lose weight and increase your general stamina with regular exercise, but not so many are aware of other advantages.

15 Exercise can help reduce tension and insomnia as well as providing psychological benefits too. John found that his mood was gradually improving and others explain that their depression and anxiety have been reduced by taking up exercise.

20 If John's example has sparked your interest, deciding which type of exercise is the one for you is important. There are basically two kinds: aerobic and anaerobic.

25 Aerobic means with air or oxygen and the activity lasts a long time but is not intense. You should be able to carry on a short conversation while doing aerobic exercise. If you have problems talking while exercising, you are probably working anaerobically. You will get tired more quickly and your muscles might be sore after anaerobic exercise is over.

30 Cycling, jogging, swimming, aerobic classes and cross-country skiing are all examples of aerobic activities. Anaerobic activities, which are short in duration and high in intensity, include downhill skiing, weight lifting, sprinting and football

1 Are the sentences true or false? Give reasons for your answers. (2 marks)

- 1 Exercise only helps you in physical ways.
.....
- 2 Aerobic activities usually take less time than anaerobic activities.
.....
- 3 It can be difficult to talk while doing anaerobic exercise.
.....

2 Answer the questions in your own words. (2 marks)

- 1 When and how did John discover his need to exercise?
.....
- 2 What is the difference between aerobic and anaerobic exercise?
.....

3 Find synonyms in the text of the words below. (1 mark)

- 1 most of
- 2 interested in
- 3 nervousness
- 4 continue

4 Complete the sentences with the words in brackets. (1 mark)

- 1 After leaving school, John (start) to do exercise because he (feel) unfit.
- 2 If I (be) you, I (see) a doctor before you start running.
- 3 While John (run) in the park, he (see) an old school friend.

5 Write an essay of about 100 words on one of the following. (3 marks)

- a Choose one type of physical exercise and explain he benefits of it.
- b 'There are better ways to spend your time than playing sport.' Give your views.

Total: 20 marks

NOMBRE Y APELLIDOS _____

The greenhouse effect

If you went on holiday last summer, was it hotter than in past years? If you went skiing last winter, did you notice that there was less snow than the year before? If the answer is ‘yes’ then you have been directly influenced by the global climatic change known as the greenhouse effect.

The greenhouse effect, contrary to general belief, is in fact a very necessary natural phenomenon which balances the Earth’s cooling processes. If the atmosphere did not retain any of the heat we get from the sun, our planet would be far too cold for us, or any animals and especially plants, to live here.

The problem is that we have added too many pollutants to the atmosphere in the last hundred years or so and this has caused the greenhouse effect to increase so much that now there is an imbalance.

There have been many temperature rises and falls throughout the history of our planet, the ice age, for example but the big problem now is one of time. This temperature change is happening very quickly. Over the past century or so, the average global temperature has risen about half a degree Celsius. That might sound like a small change in a long time, but our planet and all its inhabitants are used to changes over millions of years.

If we don’t take serious measures to stop it, many species of animals and plants will become extinct and it will be our fault.

5
10
15
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25
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1 Answer the questions in your own words. (2 marks)

- 1 Why is the greenhouse effect necessary for the Earth?
.....
- 2 What might happen if global temperatures continue to rise?
.....

2 Find synonyms in the text of the words below. (1 mark)

- 1 to observe
.....
- 2 keep
.....
- 3 accustomed to
.....
- 4 disappear
.....

3 Write a summary of the text in about 50 words. (3 marks)

4 Rewrite the sentences so the meaning is the same. (2 marks)

- 1 There have been many temperature changes throughout history.
The temperature
- 2 We have added many pollutants to the atmosphere.
Many pollutants
- 3 If we don’t take measures to stop it, many species will become extinct.
Unless

5 Write an essay of about 100 words on one of the following. (3 marks)

- a Write a formal letter to a newspaper saying why you think global climate change is or is not a problem.
- b What can we do to reduce pollution?

Total: 20 marks

NOMBRE Y APELLIDOS _____

5 Tim Norton has just broken a world eating record but has declared that he never wants to see Italian food again. His record-breaking feat was to eat a pizza measuring one hundred and six centimetres in diameter in one three and a half-hour session.

10 Tim had always been a big eater, but this test was almost beyond his means. The pizza was made by his best friend Anton Nosta, who has been making delicious Italian food in north London for the past eight years. It contained all the ingredients you would find in a normal pizza, plus a few you wouldn't expect to find. Anton explains, 'I wanted this pizza to be a complete meal, including dessert, so in the middle I put different fruits and sugar. Then when it came out of the oven I poured on some cream.'

15 Tim started out at a steady pace, taking a short break every fifteen minutes and drinking water regularly. He laughed with his friends and joked that he wanted extra pepperoni, but as time went by the jokes became more infrequent and the rests more often. 'I remember, after about an hour and a half, looking at how much was left, and thinking, "there's no way I'll get through all of this", but he kept going and slowly the pizza began to disappear.

20 He reached the dessert after two hours fifty minutes and the small crowd gave a round of applause as he took yet another break. A little under forty minutes later the last mouthful went in and the crowd jumped for joy. Not Tim, however. He couldn't even stand up.

30

1 Write a title in English which best summarises the text and justify your answer. (2 marks)

.....

2 Are the sentences true or false? Give reasons for your answers. (2 marks)

- 1 Tim Norton still likes Italian food.
.....
- 2 Anton Nosta is new to London.
.....
- 3 Some of the pizza's ingredients were unusual.
.....
- 4 Tim couldn't finish the dessert.
.....

3 Choose the correct definitions of the words as they are used in the text. (1 mark)

- 1 feat (line 3)
 - a act
 - b failure
 - c attempt
- 2 steady (line 17)
 - a slow
 - b fast
 - c regular
- 3 get through (line 24)
 - a cook
 - b finish
 - c leave
- 4 joy (line 31)
 - a success
 - b happiness
 - c celebration

4 Combine the sentences to make them grammatically correct. (1 mark)

- 1 Tim Norton is the man
- 2 If Tim hadn't taken a break
- 3 That's the giant pizza
- a he might have become ill.
- b who broke the world eating record.
- c which Tim Norton ate.

5 Write an essay of about 100 words on one of the following. (3 marks)

- a Imagine you have to interview Tim Norton at the end of his special day.
Write a short dialogue between you and Tim.
- b If you wanted to break a strange record, what would you do?

Total: 20 marks