

Time:
105 minutes

Abschlussprüfung 2010

an den Realschulen in Bayern



Englisch

Written Test

Name: _____ 10 _____

MARK

/150

TOTAL SCORE

LIFE IN SPACE

PART I: Reading

TASK 1

Read the text '*Life in Space*' (page 8).

Are sentences 1-10 '*True*' (T) or '*False*' (F)? If there is not enough information to answer '*True*' or '*False*', choose '*Not in the text*' (N). **Tick (✓) the correct answer.**

- | | T | F | N |
|---|---|---|---|
| 1 Eating and drinking aboard the ISS require an unusual technique. | | | |
| 2 Robert Thirsk is happy to be aboard the ISS. | | | |
| 3 He was the first of the new crew to move into the 'new home'. | | | |
| 4 The crew have to deal with serious communication problems. | | | |
| 5 The crewmembers have a meeting twice a day. | | | |
| 6 Test results are regularly broadcast to earth. | | | |
| 7 Spare time activities in space are rather different from those at home. | | | |
| 8 Waste water has to be dumped into space. | | | |
| 9 The shuttle Discovery delivers important technical items. | | | |
| 10 Robert Thirsk is looking forward to leaving the Space Station. | | | |

(10)

TASK 2

Five sentences have been removed from the text 'Life in Space' (page 8). Choose the correct gap (A-G) in the text for each of the sentences below (1-5).

Write the correct letter of the gap behind each sentence.

Be careful: There are two gaps which you do not need to use.

- 1 A lot remains to be done during the second half of this expedition.
- 2 These inconveniences are a small price to pay for the excitement of living in space.
- 3 The work pace is brisk and requires constant attention.
- 4 As I made my entrance into this new reality, my family watched from the Mission Control Centre in Moscow and shared in my happiness.
- 5 I have the privilege of living aboard the Station for a long-duration expedition.

(5)

TASK 3

Read the short passage from a text on weightlessness and look carefully at each line. Some of the lines are correct, but **five** of them have a word which should **not** be there.

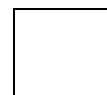
If a line is correct, **put a tick (✓)**. If a line has a word which should **not** be there, **write the word in the space provided**. There are two examples (0) at the beginning.

Weightlessness

- | | | |
|---|----------------|---|
| 0 | _____ in _____ | Our everyday lives involve <u>in</u> such activities as sitting, walking, picking up things |
| 0 | _____ ✓ _____ | from the ground and lying in bed. None of these activities are possible in orbit. |
| 1 | _____ | Once a spacecraft reaches to orbit, everything inside it appears to be weightless. |
| 2 | _____ | Anything (or anyone) that is not tied down will float. Astronauts first feel that the |
| 3 | _____ | effect of weightlessness when the rocket engines are turned off. Straight away, |
| 4 | _____ | they must begin to float, held down only by seatbelts. Weightlessness allows |
| 5 | _____ | astronauts have to appear super strong. They can lift objects that would be far |
| 6 | _____ | too heavy to move on Earth. But there are some drawbacks. Without the effect of |
| 7 | _____ | gravity, blood and other body fluids begin to flow and towards the head. This can |

cause a feeling of stuffiness and headache. With no _____ to push against

(7)



TASK 4

Verwenden Sie die Informationen aus der folgenden Broschüre und **beantworten Sie die Fragen (1-6) stichpunktartig auf Deutsch** (keine wörtliche Übersetzung nötig; Einzelwörter genügen nicht als Antwort).

Visiting Kennedy Space Center (KSC)

Planning Your Trip

Located on the east coast of Florida approximately midway between Jacksonville and Miami, the Kennedy Center is situated in the middle of Merritt Island National Wildlife Refuge and combines technology and nature in an extraordinary way. When you explore KSC, you will get a good look at how the Space Shuttle is processed today. A trip to the Air Force Museum at Cape Canaveral Air Force Station will take you back to NASA's beginnings.

Attractions

Visitors can expect to spend a day exploring the Visitor Complex, enjoying its Rocket Garden, space history exhibits, bus tours, restaurants, gift shops, the Apollo / Saturn V facility and the Astronaut Hall of Fame. The Kennedy Space Center and Cape Canaveral are working space launch facilities, so tours may be changed or closed, e. g. when a rocket launch is due. Tickets can only be used on the day you bought them for and are non-transferable.

Special / current exhibitions:

A Journey through Time (July 1st 2010 – October 31st 2010)

"A Journey through Time" allows visitors to explore different times in history and future of space exploration. You can witness history in the making as NASA prepares for returning people to the Moon and for sending robotic explorers deep into our galaxy. Walk through a full-size model of a Shuttle and see real rockets used to send man and machine into Space.



- 1 Wo genau liegt das *Kennedy Space Center* (KSC)? 1

- 2 Was ist an der Lage des KSC so besonders? 1

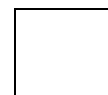
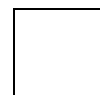
- 3 Wie kann sich der laufende Betrieb des KSC auf Ihren Besuch auswirken? 1

- 4 Was muss man beim Ticket-Kauf beachten? 1

- 5 Welche NASA-Projekte beleuchtet die Ausstellung „A Journey through Time“? (2 Details) 2

- 6 Was kann man in dieser Ausstellung sonst noch machen? (2 Details) 2

(8)



PART II: Use of English

TASK 1

Look at the text 'Life in Space' (page 8). What do the following words mean? Match the expressions (A-F) with their corresponding definitions (0-7).

Write the correct numbers in the grid below. Be careful: There are two definitions that you do not need. One definition (0) has already been matched correctly.

- | | |
|------------------------------|--|
| A straw (l. 3) | 0 an order that after a specific time certain activities are forbidden |
| B hatch (l. 12) | 1 a thing or things connected with a person's private business |
| C curfew (l. 25) | 2 a mass of very small drops of liquid in the air |
| D affairs (l. 25) | 3 a tube for sucking up a drink from a container |
| E vapor (l. 33) | 4 the curved path, usually elliptical, described by a planet or satellite |
| F consumables (l. 36) | 5 a thing or things produced to be used up, e. g. fuel or food |
| | 6 an opening that serves as a doorway or window |
| | 7 an act of sending forth, catapulting, or releasing a vehicle |

A	B	C	D	E	F
		0			

(5)

TASK 2

Find a word or expression in the text 'Life in Space' (page 8) **which means the OPPOSITE of each of the words (1-5) below.** The paragraph where you can find the word or expression is indicated in brackets. There is one example (0) at the beginning.

0	sunrise	→	<i>sunset</i>	(paragraph 1, l. 1-7)
1	to damage	→	_____	(paragraph 1, l. 1-7)
2	rough	→	_____	(paragraph 2, l. 8-12)
3	different	→	_____	(paragraph 4, l. 19-27)
4	often	→	_____	(paragraph 5, l. 28-34)
5	to land	→	_____	(paragraph 6, l. 35-39)

(5)

TASK 3

Use the word given in capitals at the end of some of the lines to **form a word of the same word family** that fits in the space in the same line.

- | | | |
|---|---|----------|
| 1 | On November 16 th 2009, under the _____ skies on Launch Pad 39A at NASA's Kennedy Space Center, the crew in orange jumpsuits | SUNRISE |
| 2 | _____ the Shuttle, where close-out crew members strapped | ENTRANCE |
| 3 | them into their seats. Then, after months of careful _____, the | PREPARE |
| 4 | craft lifted off into space, carrying a high-_____ laboratory for | PERFORM |
| 5 | the ISS. There was a _____ discussion in the press about the cost, which totaled 12 billion dollars. | LIFE |

(5)



Name: _____

10 _____

TASK 4

For questions 1-10, read the text below and decide which of the four options (A-D) fits best in each space. **Tick (✓) the correct box.** There is one example (0) at the beginning.

WHO'S OUT THERE?

Are we alone? Are we human beings the only creatures **(0)** the universe looking up from our planet and asking who else is out there? People **(1)** about these questions for centuries. Only now, in the age of powerful telescopes, can we begin to answer **(2)**

January 17, 1996, may go down in history as the **(3)** date in the search for these answers. On that day, two U.S. astronomers announced that they had discovered two planets traveling around distant stars which are similar to our sun. These are the first planets found outside our solar system that could **(4)** support life.

The two planets, which **(5)** by Geoffrey Marcy and Paul Butler of San Francisco State University, are nothing like our Earth. Humans could never live there. If creatures **(6)** on these planets, they would be very different from us. They might spend their entire lives in the upper atmosphere without ever **(7)** solid ground. Right now we cannot tell if there is life or even water on the new planets. They are **(8)** far away to **(9)** by today's instruments.

In the meantime, if astronomers can't see other worlds, they can listen for them. For 35 years scientists around the globe have taken part in the **Search for Extra-Terrestrial Intelligence**. SETI uses giant radio antennae to listen for signals from outer space in the hope that one day aliens who know how to broadcast radio signals **(10)** an answer. So E.T., if you are out there, please adjust your transmitter. We Earthlings are all ears!

0	A ☐ at	B ☐ on	C ☒ in	D ☐ of
1	A ☐ think	B ☐ were thinking	C ☐ thought	D ☐ have been thinking
2	A ☐ it	B ☐ them	C ☐ these	D ☐ they
3	A ☐ least important	B ☐ as important as	C ☐ more important	D ☐ most important
4	A ☐ possibly	B ☐ as possible as	C ☐ possibility	D ☐ possible
5	A ☐ had been discovered	B ☐ are discovered	C ☐ were discovered	D ☐ will be discovered
6	A ☐ exist	B ☐ existed	C ☐ would exist	D ☐ were existing
7	A ☐ touching	B ☐ to touch	C ☐ touch	D ☐ touched
8	A ☐ so	B ☐ very	C ☐ as	D ☐ too
9	A ☐ be studied	B ☐ study	C ☐ have studied	D ☐ studying
10	A ☐ have sent	B ☐ were sending	C ☐ will send	D ☐ sent

(10)

TASK 5

Complete the second sentence so that it has a similar meaning to the first sentence, using the **KEY WORD** given in brackets. **Do not change the KEY WORD.** You must use **between two and five words including the KEY WORD.** There is one example (0) at the beginning.

- 0 Scientists are working to answer the questions that have captured our imagination for centuries. **(SOON)**
 (1) (2) (3) (4) **KEY WORD**

The questions that have kept our imagination going for centuries may soon be answered by scientists.

- 1 Thanks to the NASA project *Origins*, finding planets should soon become easier. **(LESS)**
 Finding planets should _____ thanks to the NASA project *Origins*. 1
- 2 It will launch a new generation of space telescopes to search for other worlds. **(BE)**
 A new generation of space telescopes _____ to search for other worlds. 1
- 3 By the year 2012, NASA hopes to put five telescopes in orbit round Jupiter. **(WITHIN)**
 NASA hopes to put five telescopes in orbit round Jupiter _____. 1
- 4 Those telescopes can not only find giant planets but also detect smaller ones. **(INSTEAD)**
 _____ giant planets only, they can also detect smaller ones. 1
- 5 This marks the beginning of a new era of exploration. **(SAID)**
 This _____ the beginning of a new era of exploration. 1



(5)

PART III: Guided Writing

You only have to do **one** of the following two tasks.

Important: First read both tasks, then decide whether you want to do Task A or Task B.

You can write down your ideas on your extra sheet before you do the task on your exam paper.

TASK A



EUROPEAN SPACE CAMP



Summer 2011

When: 27th July - 5th August 2011
Where: Andøya Rocket Range, Northern Norway
Who: 25 young students from all over the world
Cost: Participation is free (Travel has to be arranged by the participant)
Accommodation: 4-bed-dormitories

Programme highlights:

- astronaut training simulators
- team building activities
- watching a real rocket launch
- taking part in a whale safari

Organised by the Norwegian Association of Young Scientists and the National Centre for Space Related Education in cooperation with ESA.
The sky is not the limit, it's where the fun begins!

You have decided to take part in a *European Space Agency* camp next summer. You would like to invite a friend of yours to join you. Write an e-mail to your friend and try to persuade him/her.

In your **e-mail**, include the following aspects:

- ① why you want him/her to join you
- ② what you think will be the highlight and **why**
- ③ accommodation
- ④ **one** additional aspect

Write about 200 words. (Do not forget to write a suitable beginning and ending.)

TASK B

Writing competition!

Write a short story for *English Now!* magazine, and win a valuable prize.

The only rule is that your story must start and end with the sentences in the box below:

Day 143 aboard the ISS

I was just about to go to bed, when suddenly friendly-looking creatures boarded our space station ...



... I sadly waved them goodbye, asking myself if they would ever come back again.

Complete the **story**, including the following aspects:

- ① your first reaction
- ② communication with aliens (how?)
- ③ reason for their visit
- ④ what happened next

Write about 200 words. (Do not copy the beginning and the ending given in the box.)

Life in space



By Robert Thirsk, NASA, September 3, 2009

ABOARD THE INTERNATIONAL SPACE STATION – I haven't driven a car in three months, and yet I've traveled 70 million kilometers. I've watched 16 sunrises and sunsets in a single day. I've sipped coffee out of a bag through a straw and squeezed macaroni and cheese from a package into my mouth. I've conducted many scientific and medical experiments and I've helped repair a toilet. It's all in a day's work aboard the International Space Station (ISS). After 100 days, I am now more than halfway through my six-month expedition. [A] I still pinch myself in disbelief when I think about my luck.

A lot has happened in 100 days. Let me share with you the highlights of everyday life in space.

The Beginning

The ISS adventure began on May 27 when I launched into orbit in the Russian Soyuz vehicle with my two crewmates. Lift-off was smoother than I had expected and after two days in orbit, we rendezvoused and docked onto our home for the next six months, the International Space Station. I was the first to float through the hatch into the Space Station. [B]

My Crew

My five crewmates on the Station are Gennady Padalka and Roman Romanenko from Russia, Mike Barratt and Tim Kopra from the United States, and Frank De Winne from Belgium. I represent Canada in this menagerie of cultures and languages. We mostly speak English and Russian. [C] Sometimes we start a sentence in one language and finish it in the other. Roman describes the mishmash language we speak as 'Runglish'.

The Daily Routine

We wake up at 06:00 GMT and spend the next two hours performing personal hygiene activities, eating breakfast and preparing for our work day. Around 8 am we gather for the daily morning conference. Our typical work day lasts 10-hours and includes two hours of exercise and an hour for lunch. [D] We perform a large number of biological, medical and technological tests. A short evening conference ends our work day. Bedtime is also scheduled, and although we try to be tucked into our sleeping bags by 9:30 pm, we usually break curfew in order to take care of our personal affairs, such as reading and writing e-mails to family and friends. [E] Weekends in space are similar to those on Earth. We catch up on sleep and housecleaning and we spend a lot of time looking out windows at our beautiful planet.

Habitability

We live without many comforts of modern life. There is no bath tub or shower on the Station, and we rarely eat fresh food. Clothing items get changed only after a week or two of wear. We wipe down our bodies each day with a washcloth. After wetting our hair with shampoo and working it through with our fingers, we dry our hair with a towel. There is no place to spit so we usually swallow our toothpaste after brushing. [F] The water vapor that we exhale into the cabin atmosphere as well as our waste water, sweat and urine is processed into pure drinking water.

Halfway

Today is Flight Day 100. [G] The shuttle Discovery has arrived and is re-supplying us with consumables, spare parts, food and new scientific equipment. When I launched, I wasn't exactly sure what six months in space would be like. After 100 days of spaceflight experience, I now feel I will miss it when I eventually leave. It will be like moving away from a childhood home that is rich with family memories.

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Abschlussprüfung 2010

an den Realschulen in Bayern



Name: _____

10

PART III: Guided Writing – Answer Sheet

TASK ☐ (Write A or B in the box.)

1

(Write A or B in the box.)

[illegible]

WRITING SCORE

TOTAL SCORE

2nd examiner: