



Kanton Zürich
Bildungsdirektion



Aufnahmeprüfung 2021 für die Berufsmaturitätsschulen des Kantons Zürich

Englisch

Serie: A₁

Dauer: 30 Minuten

Hilfsmittel: keine

Name: _____

Vorname: _____

Strasse und Nummer: _____

Postleitzahl und Wohnort: _____

Nummer (ohne KV-Schulen): _____

Maximal erreichbare Punktzahl:	50	Punkte	Ergebnis	
- Textverständnis	15	Punkte	Punkte
- Textproduktion	15	Punkte	Punkte
- Sprachbetrachtung	20	Punkte	Punkte

Erreichte Punktzahl **Punkte**

Prüfungsnote (auf halbe Noten gerundet)

Die Expertin / der Experte:

.....

TASK 1 READING

Space explorers try to solve the mystery of life on Mars

“Robot missions over the past ten years have shown that Mars is not a dead, alien place as we had thought in the late 20th century. In fact, it is a world with old lake beds¹, dried out river channels and organic material. In other words, back in the day, billions of years ago, Mars was warm and wet. Now we are going to find out if those conditions led to the evolution of life on Mars, just as they did on Earth, and to see if some of that life still exists underground,” said Professor Ray Arvidson, of Washington University, St Louis.

“Every 26 months, the orbits² of Earth and Mars come close in a way that makes it relatively easy to send a rocket there. These launch windows³ last only a few weeks and one is just about to open up, which is why different probes⁴ are being prepared for launch over such a short period this summer.”

“There is no doubt that the exploration of Mars is going through a rebirth,” added Arvidson. “In the 1970s, missions to Mars showed a world that appeared to be entirely dead and we stopped sending missions to the planet for a couple of decades.”

However, the latest probes have changed that view. The US robot rovers⁵ - Spirit, Opportunity and Curiosity - have shown that Mars must once have been warm. The planet’s diameter⁶ is half that of Earth’s, which means it has a much smaller core at its heart compared with the one at the centre of our own planet. Without a molten core⁷, Mars could no longer generate a magnetic field which had protected it from radiation from the Sun just as Earth’s magnetic field still protects us today. As a result, the Martian atmosphere and its surface water were swept away by solar particles and the planet became dead and unfriendly.

However, there is still a chance that life evolved there before the Martian climate changed, added Arvidson. “Mars is relatively small and so it would have cooled down more quickly than Earth after the creation of the solar system 4.6 billion years ago.”

“Seas, lakes and rivers would have formed there before they did on Earth and so life may have arrived on Mars before it did on our world. It is grounds for hope if nothing else. Now we want to find evidence that it did arise and possibly may still be forming underground.”

adapted from: <https://www.theguardian.com/science/2020/jul/12/we-are-all-martians-space-explorers-seek-to-solve-the-riddle-of-life-on-mars>

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- ¹ lake beds = Seebetten
 - ² orbits = Umlaufbahne
 - ³ launch windows = Startfenster
 - ⁴ probes = Sonden
 - ⁵ rovers = Fahrzeuge
 - ⁶ diameter = Durchmesser
 - ⁷ molten core = geschmolzener Kern

TASK 1a

- Read the text and then decide if the following statements are **True (T)** or **False (F)**.
- If there is not enough information to answer *True* or *False*, choose **Doesn't say (DS)**.

Example:

Text: Sarah is in her twenties. T F DS
 Statement: Sarah is 18 years old.

- | | | | |
|---|---|---|----|
| 1. In the past hundred years, robot missions have shown that there must have been life on Mars. | T | F | DS |
| 2. According to Professor Ray Arvidson, lakes, rivers and organic material existed on Mars. | T | F | DS |
| 3. Rockets are sent to Mars in a window of 26 months. | T | F | DS |
| 4. In the 1970s scientists had lost interest in Mars as it was considered dead. | T | F | DS |
| 5. The US robot rovers found evidence that the temperature on Mars has rapidly increased due to the magnetic field. | T | F | DS |
| 6. According to the text, Earth is double in diameter compared to Mars and has a bigger core. | T | F | DS |
| 7. In order to generate a magnetic field a molten core is needed. | T | F | DS |
| 8. Life on Mars was destroyed because its magnetic field protected the planet from radiation from the Sun. | T | F | DS |
| 9. There is proof that there must have been life before the climate on Mars changed. | T | F | DS |
| 10. Professor Ray Arvidson thinks that water may have formed on Mars before it formed on Earth. This is why he believes that life must have existed which may now be found below the surface of Mars. | T | F | DS |

Points: ____/10

TASK 1b

- Read the text and find the underlined word matching the synonym.
- If the word you need is a verb write the **infinitive** of the verb, if it is a plural noun, write the **singular** of the noun.

Example:

The king was very popular.
 Synonym: widely liked Word in text: popular

- | <u>Synonym:</u> | <u>Word in text:</u> |
|-------------------------------|----------------------|
| 1. completely | _____ |
| 2. to produce | to _____ |
| 3. fast | _____ |
| 4. proof | _____ |
| 5. strange, extra-terrestrial | _____ |

Points: ____/5

TASK 3

Complete the text with the correct form of the word in brackets or with a suitable word/phrase if no word is given.

Example: *My friend and I are looking forward to meeting (meet) you tonight.*

1. She _____ (do) boxing before she decided to concentrate on ballet.
2. My mom drives very _____ (dangerous).
3. My teacher's _____ (explain) was helpful.
4. My friend _____ (go) out last night.
5. Sabrina now enjoys _____ (be) back home with her dog.
6. This ice cream tastes so good. I must say I have never eaten anything as good. It is _____ (good) ice cream ever.
7. You are going to record a TikTok-clip later, _____ you?
8. In our cellar a mouse had a nest with 10 little _____ (mouse) in it.
9. I _____ (eat) a sandwich when the doorbell suddenly rang.
10. It's midnight on a Saturday night. Have you _____ (fall) asleep?

Points: _____/10

TASK 4

Complete the second sentence so that it has a similar meaning to the first sentence. The words need not be the same.

Example:

0) He really admired her painting skills.

He was full of **admiration** for her painting skills.

1. Peter said he planted a new type of watermelon.
Peter said a new type of watermelon was planted by _____.
2. He always forgets to water the plants when his parents are away.
He _____ waters the plants when his parents are away.
3. I collected berries for breakfast and a wasp stung me.
While I _____ berries, a wasp stung me.
4. This year there are a lot more wasps and bees than last year.
Last year, there were not _____ wasps and bees as this year.
5. Next summer we have plans to visit our relatives in South Africa.
Next summer we are _____ visit our relatives in South Africa.
6. These days most teachers teach their lessons online.
These days lessons are _____ online by most teachers.
7. One of Zurich's football teams was not very lucky this season.
One of Zurich's football teams did not have a lot of _____ this season.
8. The management didn't choose a new coach last night.
The management _____ a new coach yet.
9. Unless the government allows more spectators, many clubs will have financial problems.
_____ the government does not allow more spectators, many clubs will have financial problems.
10. A Swiss person invented the potato peeler.
It was a Swiss person _____ invented the potato peeler.

Points: ____/10