

CAVE STALAGMITES

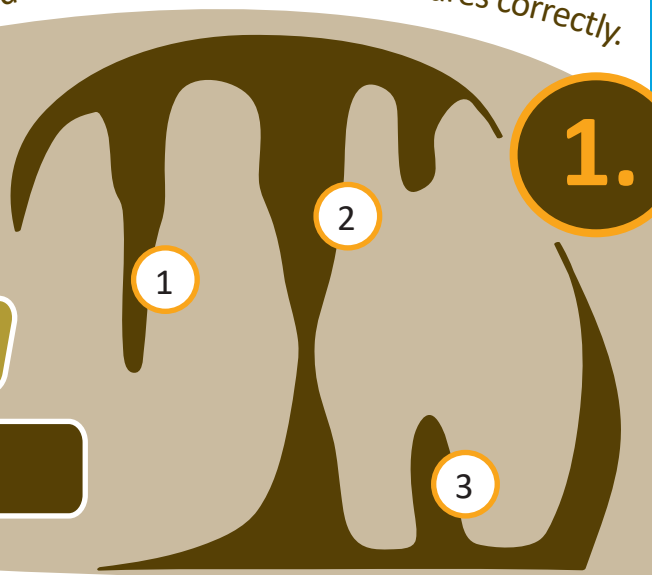
Venture into the depths of iQLANDIA to the **GEOLAB** exhibition. Find the Stalactites exhibit and match the names to the pictures correctly.



..... stalagmite

..... stalagnate

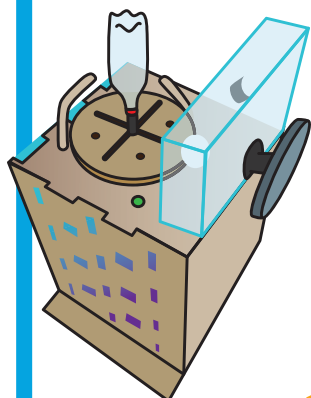
..... stalactite



2.

ROCKET

On the **ground floor**, behind the glass elevator, you can launch a rocket into the sky. What kind of „fuel“ does this rocket use?



A. rocket fuel

B. gasoline

C. compressed air

3.

EARTHQUAKE

In the **ELEMENTS** exhibition, you will find an earthquake simulator. Its strength is measured using the Richter scale. What is the strongest earthquake you can experience on our exhibit?

.....
degree
on the Richter scale

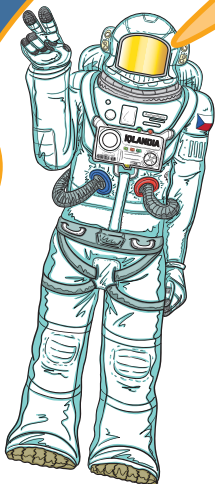
How often do earthquakes like this occur on Earth?

..... times
in

JUMP ON THE MOON

On the inclined plane in the **GEO** exhibition, you can find out how astronauts jump on the Moon. The gravitational force there is compared to Earth:

4.



☐ the same

☐ smaller

☐ greater

☐ none



5.

Enter the giant model of the heart in the **HUMAN** exhibition and measure your heart rate.

Do 10 squats and repeat the measurement. How did your heart rate change after physical exertion?

☐ has not changed

☐ decreased

☐ increased

HEARTBEAT

resting heart rate

after exercise

6.

FREQUENCY

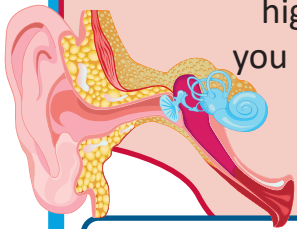
RANGE OF HEARING

In the **Senses** exhibition, you can find out how well you hear high and low tones. By repeatedly pressing the buttons



change the transmitted sound frequency.

Write down the lowest and highest tones you can still hear.



low tones:

..... Hz

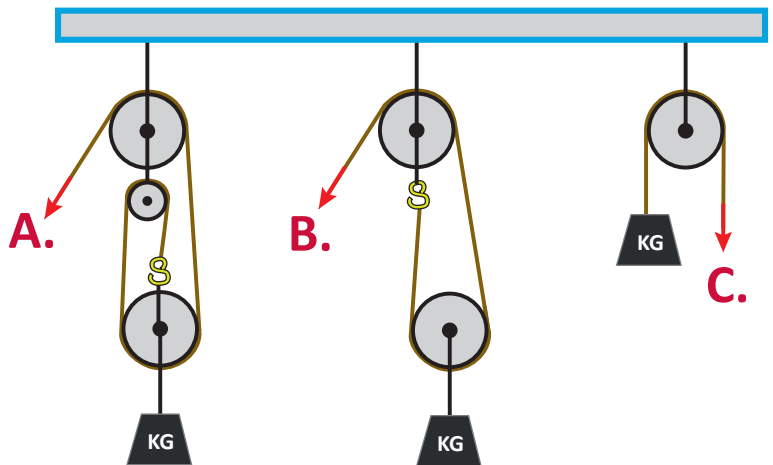
high notes:

..... Hz

PULLEYS

7.

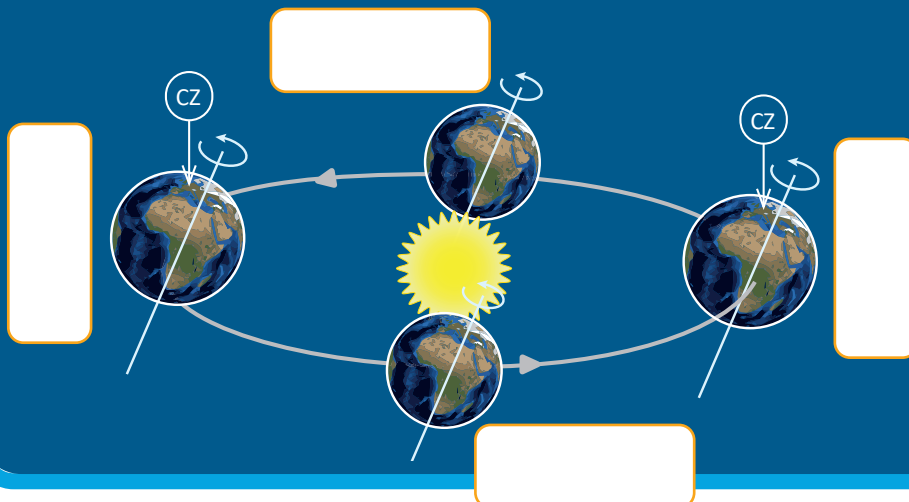
Can you lift yourself up? Visit the **Science at home** exhibition and see how easy it is with the help of various pulleys. Which pulley required the least amount of force?



8.

SEASONS

Go to the **KOSMO** exhibition and find the exhibit that will help you match the labels to the picture. In the Czech Republic, it is:



a) summer solstice

b) winter solstice

c) shortest day

d) longest day

e) spring equinox

f) autumnal equinox

