



Space

The Solar System Blue-Bot Quiz

Key Competences

- ☐ Literacy
☒ Multilingualism
☐ Active citizenship
☐ Entrepreneurship

- ☐ Cultural awareness and expression
☒ Numerical, scientific and engineering skills
☒ Digital and technology-based competences
☐ Interpersonal skills

Grade

- ☐ 1 ☐ 2 ☒ 3 ☒ 4

Duration

50 minutes

Grouping

- ☐ whole class ☒ groups of 2 to 4 ☐ partner work ☐ individual work

You need

Per group: Solar System Blue-Bot mat, Solar System Blue-Bot Quiz Cards, Blue-Bot, Tablet with Blue-Bot app installed, previous knowledge (this activity is suitable to revise learned contents)

Procedure

1. Arrange pupils to sit in small groups around the Blue-Bot mats.
2. Place a deck of Solar System Blue-Bot Quiz Cards facing down next to each mat.
3. Exemplify the game with two pupils.
4. Player A picks a card and reads the question to the player B. Player B should not see the card, as the answer is printed under the question.
5. If the answer is right, player B writes the algorithm on the tablet to move the Blue-Bot to the correct square. He/she can keep the card.
6. If the answer or the algorithm is wrong, another player takes a turn. The card goes back to the deck.
7. The winner is the player that collects more cards.

Vocabulary: Sun, moon, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune

Follow up: additional challenge to be given to more confident pupils
Pupils cannot use a specific field, place rocks (meteorites) on fields that the Blue-Bot must not use.

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Solar System Blue Bot QUIZ

Picture: <https://pixabay.com/illustrations/globe-astronomy-atmosphere-forward-1849404/>

What is the smallest planet in the solar system?

Mercury (1/3 the size of Earth)

What is the largest planet in the solar system?

Jupiter (11 times Earth's diameter)

The 6th planet from the sun features an extensive ring system, what is its name?

Saturn

What is the hottest planet in the solar system?

Venus (462°C)

The chemical element uranium was named after what planet?

Uranus

What planet in the solar system is farthest from the sun?

Neptune (4.5 billion km)

What is the second smallest planet in the solar system?

Mars (slightly more than half the size of Earth)

What planet is closest in size to Earth?

Venus

The moon Titan orbits what planet?

Saturn

What planet is nicknamed the 'Red Planet'?

Mars (due to rust in the Martian rocks)

The Galilean moons orbit what planet?

Jupiter

What planet is closest to the sun?

Mercury

What is the seventh planet from the Sun?

Uranus

Triton is the largest moon of what planet?

Neptune

What is the brightest planet in the night sky?

Venus

What is the third planet from the sun?

Earth

Phobos and Deimos are moons of what planet?

Mars

What planet is nicknamed the 'Blue Planet'?

Earth

What is the centre of the solar system?

Sun

What is the main source of energy in the Solar System?

Sun

What is the natural satellite of the Earth?

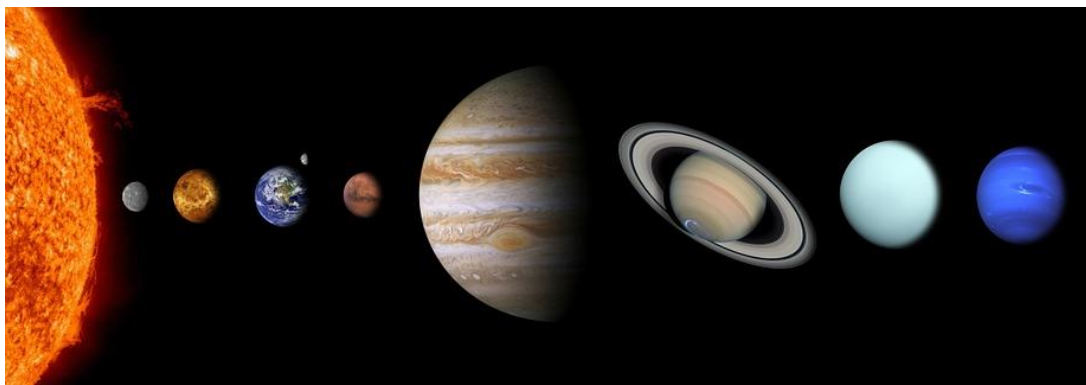
Moon

What is the only planet of our solar system with life?

Earth

What is the only star in solar system?

Sun

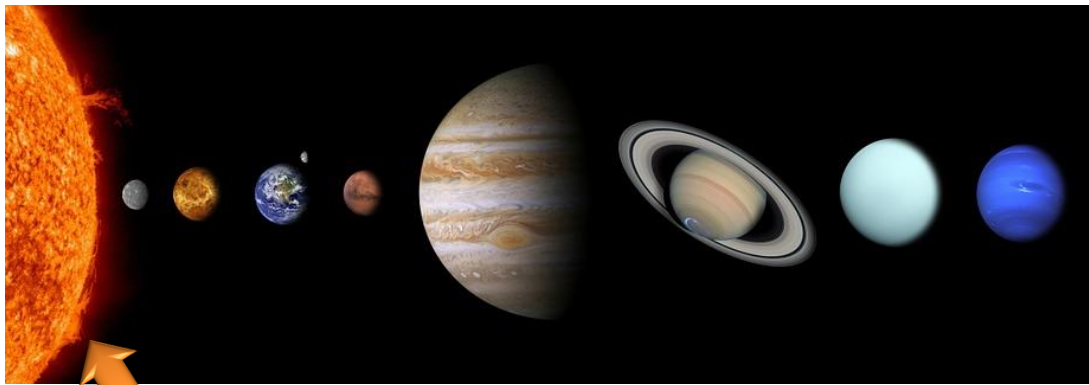


START

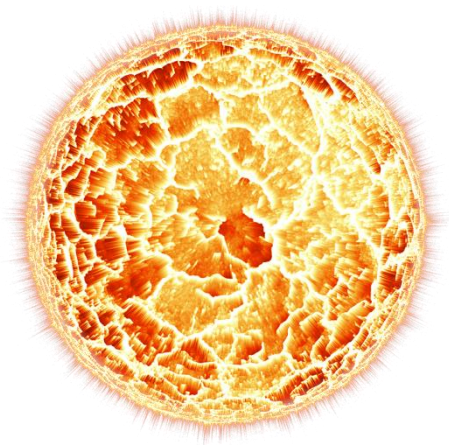
Solar System

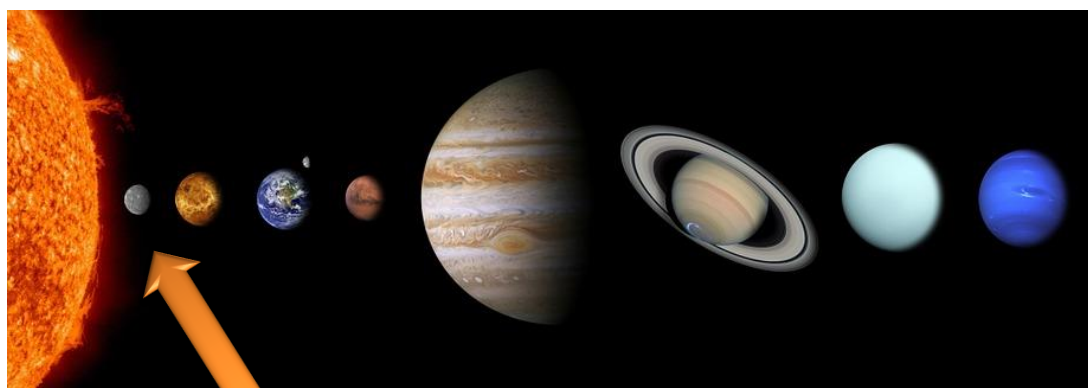
Blue-Bot Mat

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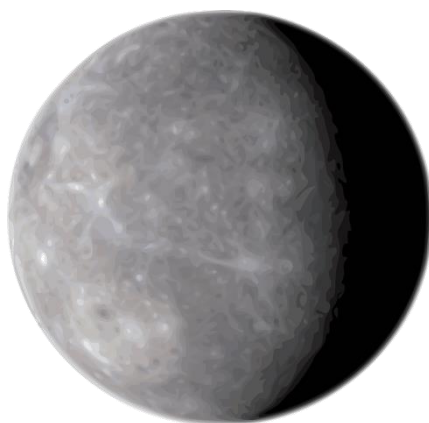


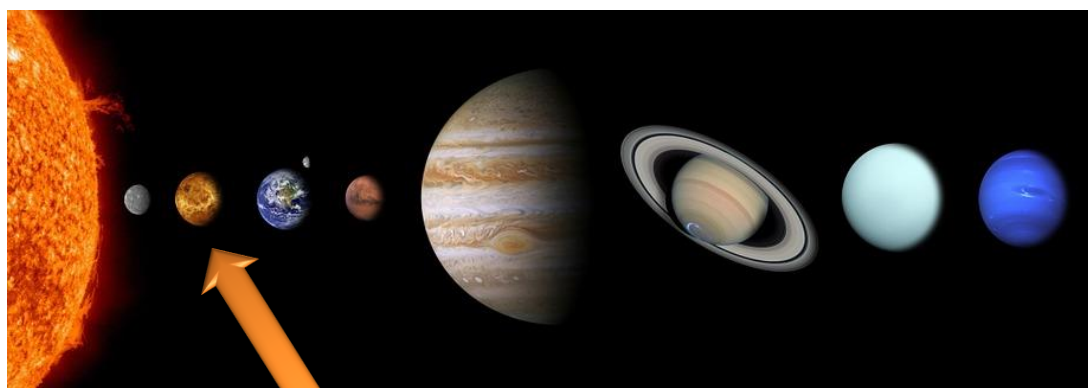
sun





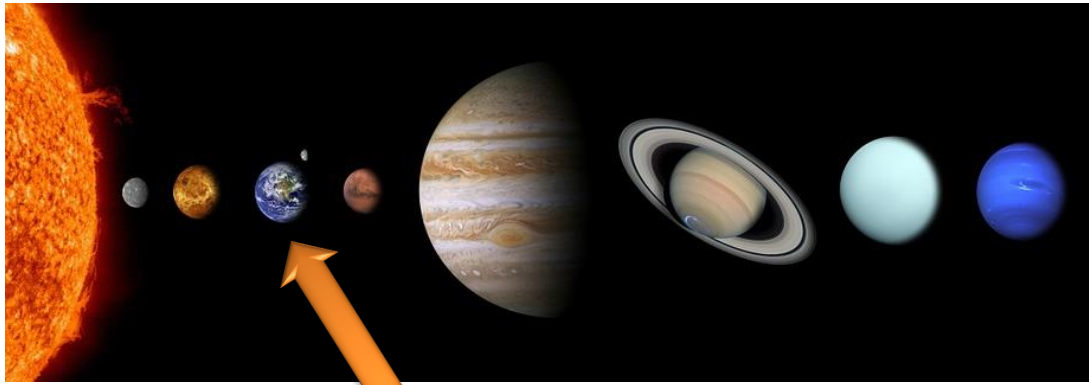
Mercury





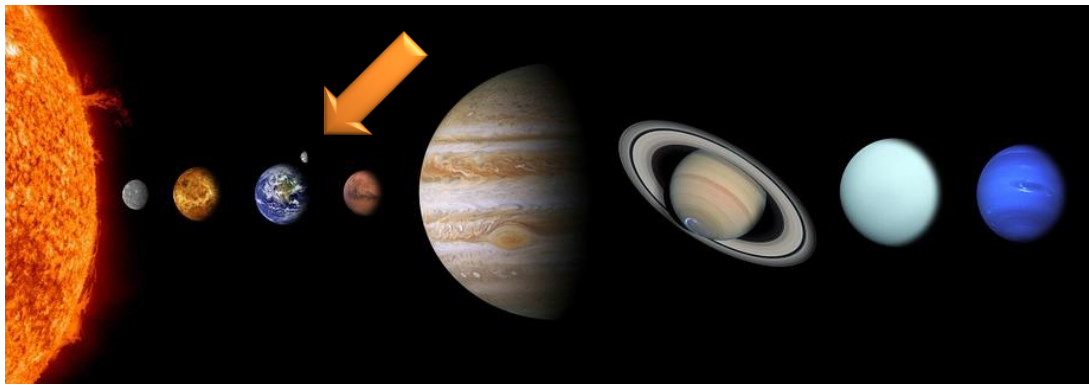
Venus





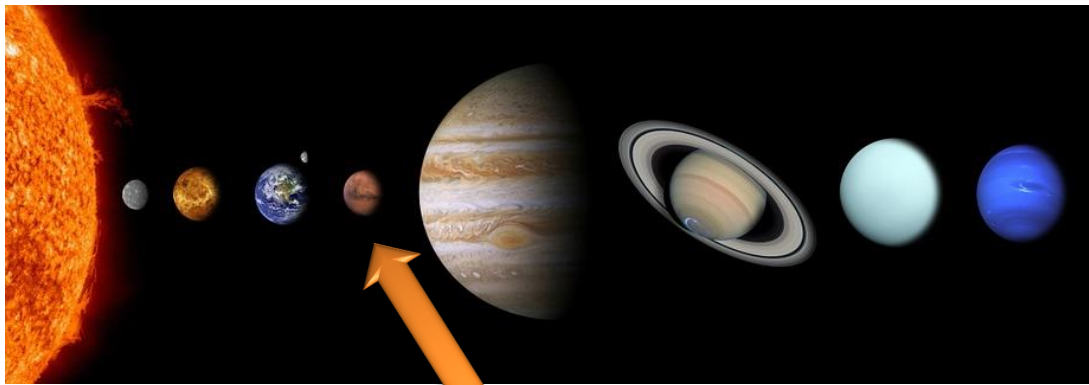
Earth



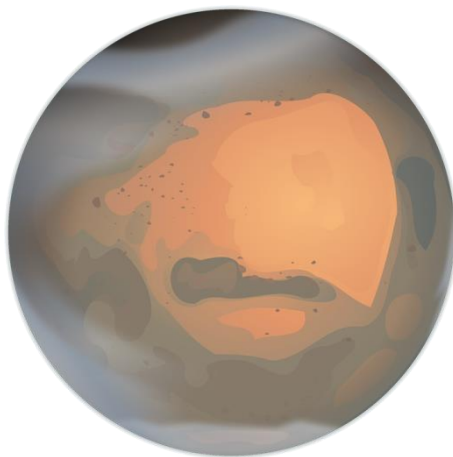


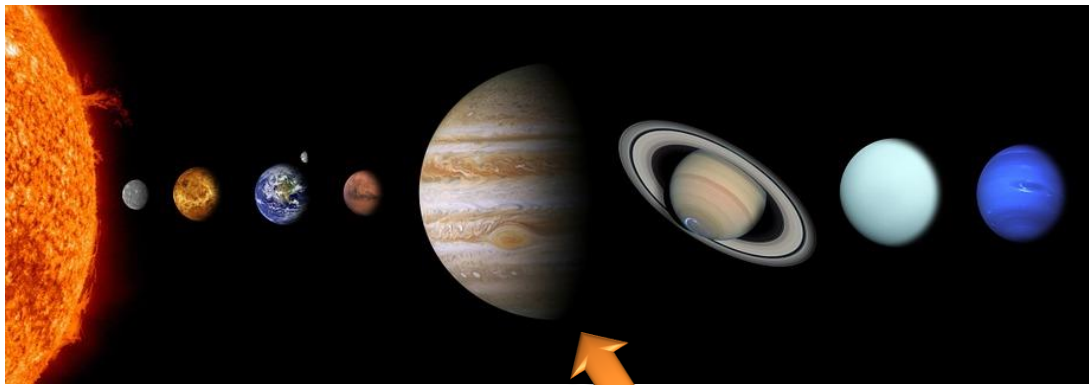
moon





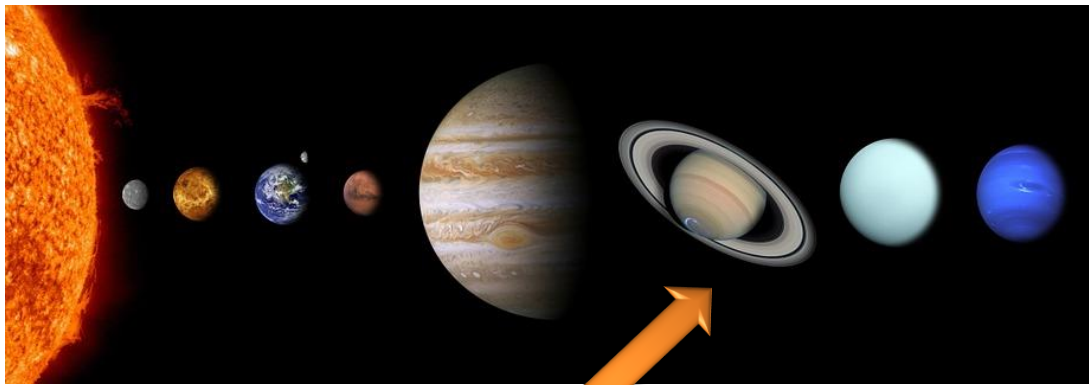
Mars





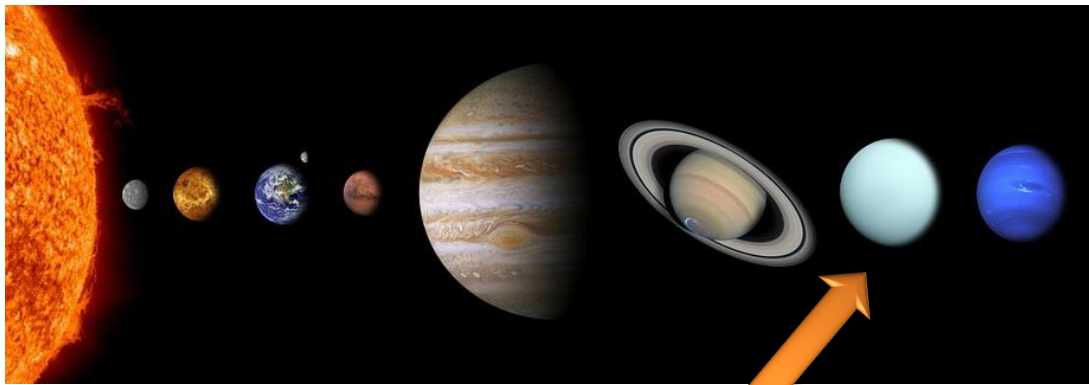
Jupiter



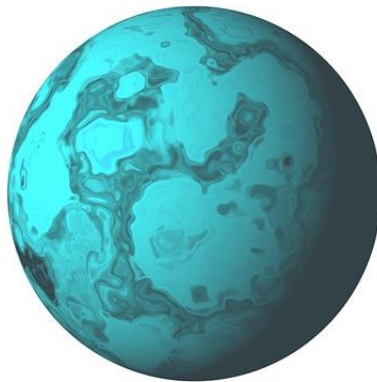


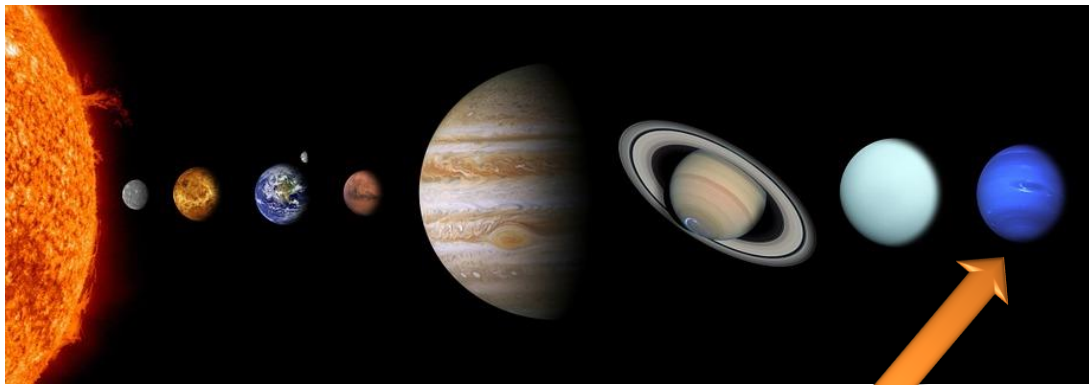
Saturn



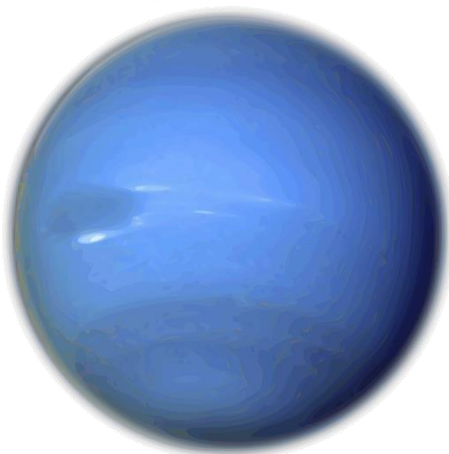


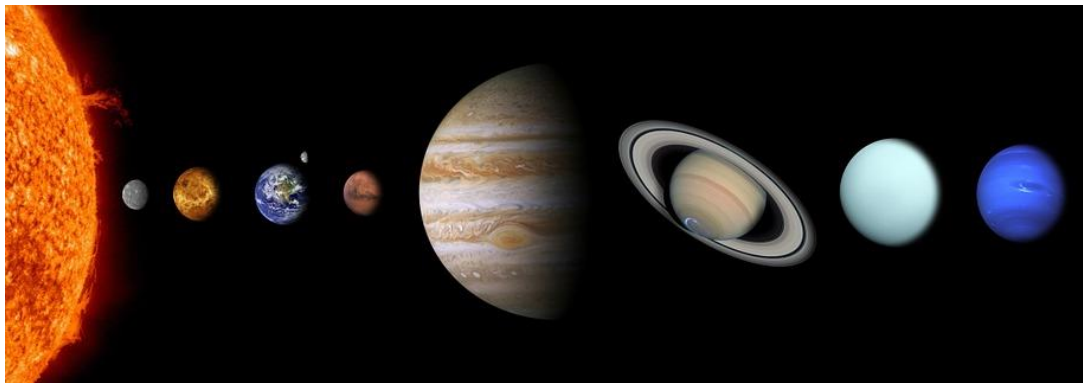
Uranus





Neptune





Pictures:

Solar system <https://pixabay.com/photos/solar-system-sun-mercury-venus-439046/>

Sun <https://pixabay.com/illustrations/planet-sun-star-1497205/>

Mercury <https://pixabay.com/vectors/mercury-solar-system-planet-153570/>

Venus <https://pixabay.com/illustrations/mars-venus-planet-titan-346939/>

Earth <https://pixabay.com/illustrations/earth-world-planet-globe-1303628/>

Moon <https://pixabay.com/illustrations/moon-planet-space-astronomy-1303512/>

Mars <https://pixabay.com/vectors/mars-martian-orange-planet-151143/>

Jupiter <https://pixabay.com/illustrations/jupiter-planet-space-astronomy-942558/>

Saturn <https://pixabay.com/illustrations/saturn-saturn-s-rings-planet-4314403/>

Uranus <https://pixabay.com/illustrations/uranus-planet-neptune-346951/>

Neptune <https://pixabay.com/vectors/neptune-solar-system-planet-153571/>