

SIMONA MURONI

SOLAR SYSTEM ALLEGATI

PICTURE 1



ALLEGATO 1

THE SOLAR SYSTEM

Earth	Jupiter	Mars	Mercury
Neptune	Saturn	Uranus	Venus

Z	W	U	R	P	X	F	Q	H	M	S	R
J	Q	N	E	P	T	U	N	E	O	J	J
U	Q	H	L	G	U	N	G	H	O	Q	S
S	A	T	U	R	N	U	R	E	N	J	C
L	J	U	L	C	M	E	R	K	W	H	U
Y	C	X	X	U	T	E	A	A	I	E	R
Z	K	U	F	I	R	A	R	G	N	I	O
H	N	L	P	A	T	J	P	C	H	U	Y
R	L	U	K	S	O	N	S	R	U	R	S
W	J	X	A	T	B	S	U	N	Q	R	D
D	X	G	U	E	S	V	Y	M	W	N	Y
V	I	L	Q	R	J	C	G	H	B	E	Q
E	P	X	A	O	E	A	N	C	Q	F	E
N	D	M	Z	I	K	A	W	P	R	I	Y
U	U	L	T	D	X	Z	R	X	Y	S	U
S	O	Y	L	F	N	N	I	T	E	E	U
C	O	M	E	T	V	W	A	W	H	S	A
I	G	R	E	S	A	X	M	I	F	P	Q

Write the planets in order and then find them.

- (1) _____
- (2) _____
- (3) _____
- (4) _____
- (5) _____
- (6) _____
- (7) _____
- (8) _____

Can you find these bonus words?

- asteroid
- comet
- Moon
- Sun

ALLEGATO 2

THE SOLAR SYSTEM

The Sun is a star.

The first planet is brown.

The second planet is orange.

We live on the third planet.

The fourth planet is red.

The fifth planet is yellow.

The sixth planet has got rings.

The seventh planet is purple.

The last planet is gray.

PICTURE 2



PICTURE 3

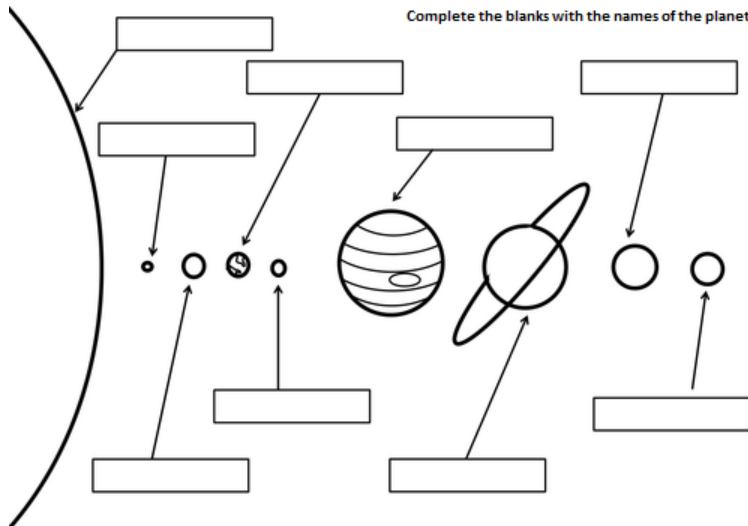


PICTURE 4



ALLEGATO 3

Complete the blanks with the names of the planets

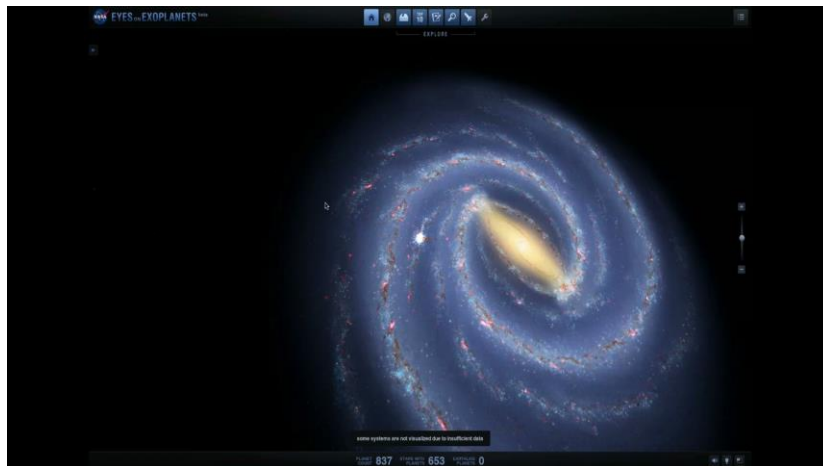


ALLEGATO 4

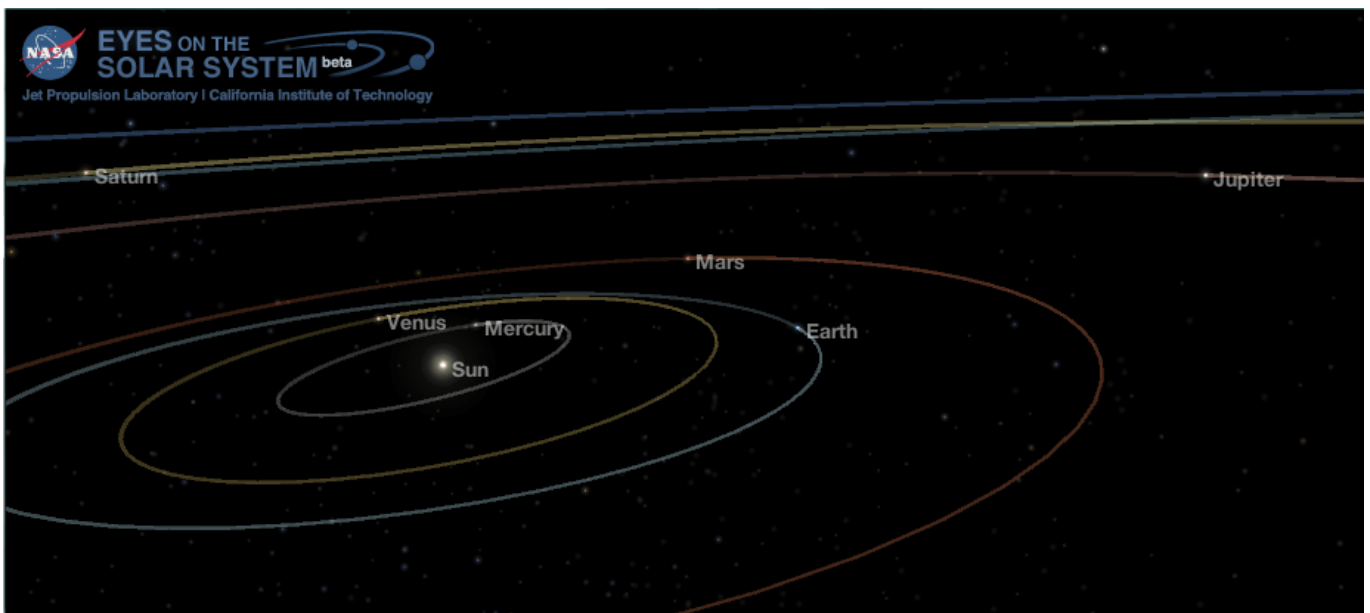
Mach the name of the planets with the description and the corresponding ordinal numbers.

Venus	...is the eighth planet from the Sun	7th
Mercury	...is the fourth planet from the Sun	2nd
Jupiter	...is the sixth planet from the Sun	8th
Earth	...is the first planet from the Sun	3rd
Mars	...is the seventh planet from the Sun	6th
Uranus	...is the second planet from the Sun	1st
Neptune	...is the fifth planet from the Sun	4th
Saturn	...is the third planet from the Sun	5th

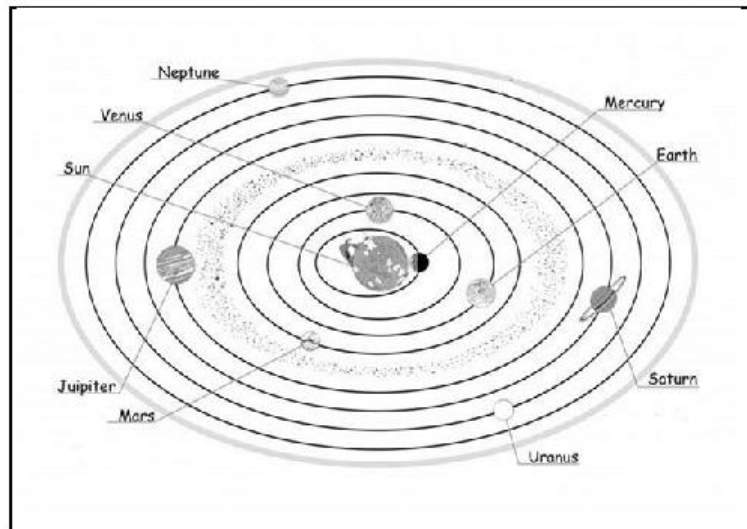
PICTURE 5



PICTURE 6



ALLEGATO 5



This is our Solar System. It has eighth planets. All the planets revolve around a star. We call this star the Sun. Each planet follows its own path around the Sun. We call this path orbit.

The Sun give heat and light to the planets. We live on planet Earth. Planet Earth is between Venus and Mars.

The Earth takes 365 days to complete one orbit (one trip around the Sun). In this way we measure a year.

PICTURE 7



PICTURE 8



PICTURE 9



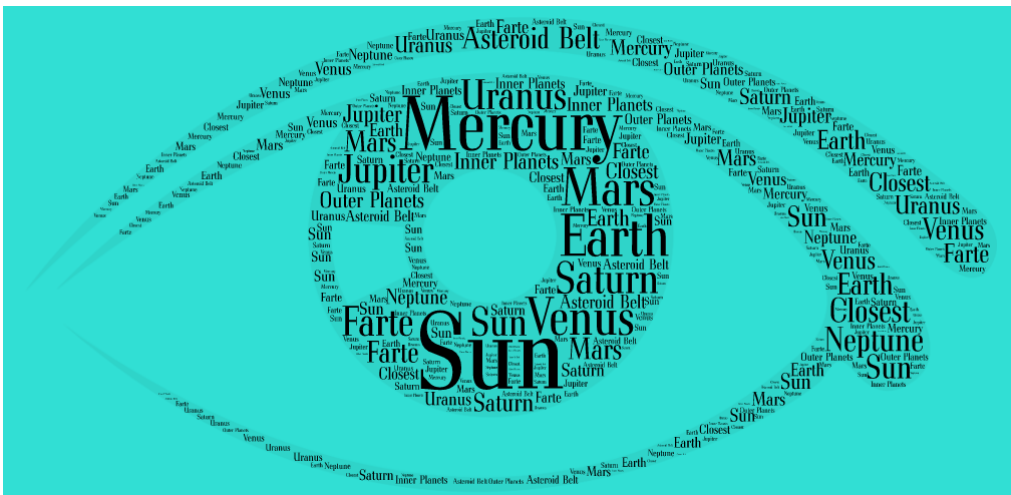
ALLEGATI 6



ALLEGATO 7



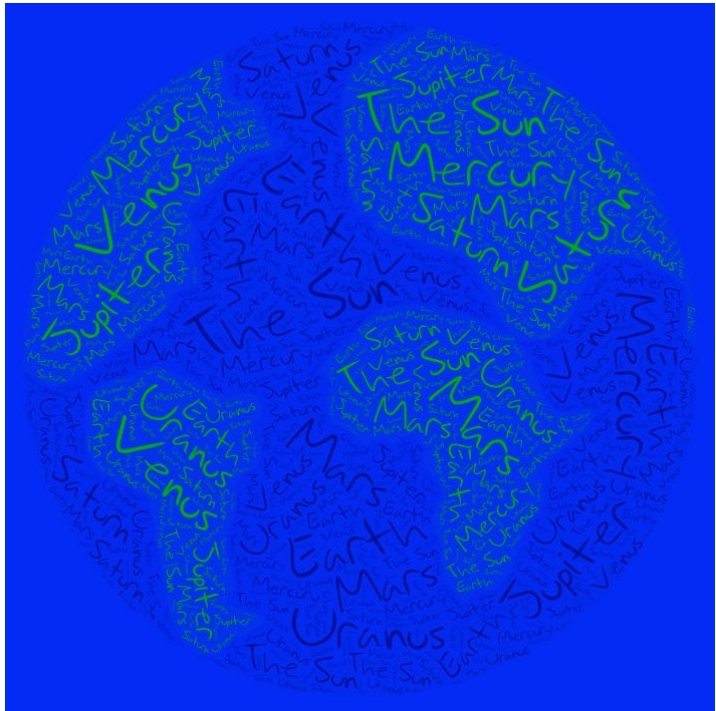
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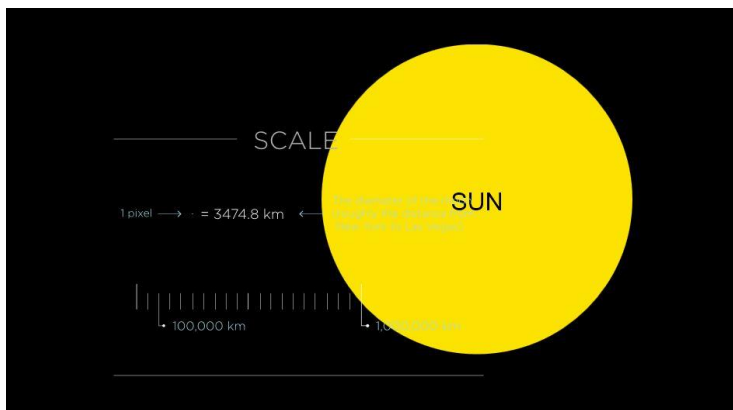
ALLEGATO 9



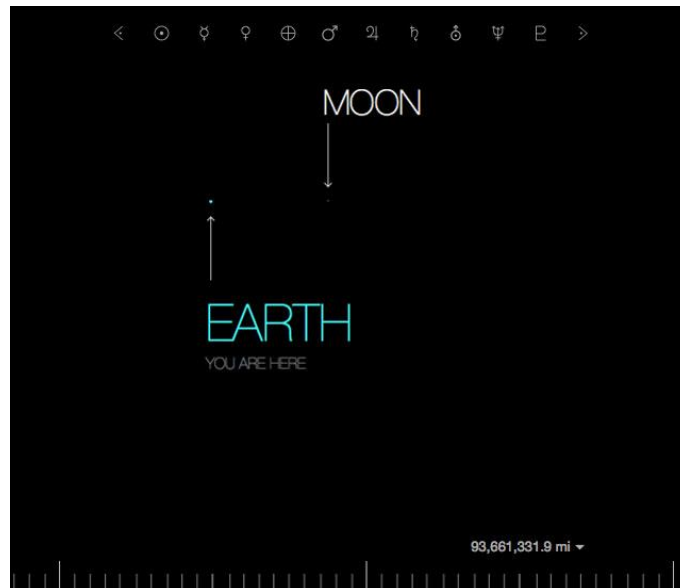
ALLEGATO 10



PICTURE 10



PICTURE 11



PICTURE 12



ALLEGATO 11

THE PLANET'S CHART

Name	Diameters	Numbers of satellites (moons)	Time it takes to go round the Sun (year)	Speed of the orbit round the Sun (kilometres/seconds)
Mercury	4 879	----	88 days	48 km/s
Venus	12 390	----	225 days	35 km/s
Earth	12 756	1	365 days	30 km/s
Mars	6 787	2	687 days	24 km/s
Jupiter	142 980	63	12 years	13 km/s
Saturn	120 540	49	29 years	9 km/s
Uranus	49 000	27	84 years	7 km/s
Neptune	47 000	13	165 years	5 km/s

ALLEGATO 12

Can you find the following numbers on the chart? Mark them with a circle.

- Twelve thousand seven hundred and fifty-six
- Six hundred and eighty seven
- One hundred twenty thousand five hundred and forty

Look at the chart and answer the following questions:

1. How many satellites does Saturn have?
2. How many satellites does Jupiter have?
3. How long does it take Venus to go round the Sun?
4. How long does it take Saturn to go round the Sun?
5. How fast does Mars go round the Sun?
6. How fast does Uranus go round the Sun?

ALLEGATO 13

Complete the sentences.

1. _____ is the second planet from the Sun and is very bright.
2. The _____ is the star at the centre of the solar system.
3. The _____ is the third planet from the Sun and it is the planet we live on. It has got _____ moon.
4. _____ is the fifth planet from the Sun. It is a very big planet.
5. _____ is the sixth planet from the Sun and it has got beautiful rings.
6. _____ is the eighth planet from the Sun and it has got 13 _____ moons.
7. _____ is the fourth planet from the Sun. It is called the "red planet". It has got _____ small moons.

PICTURE 13



ALLEGATO 14



The Solar System



Match the words with their pictures.

Jupiter
Neptune

Mercury
Venus

close to the sun

far from the sun

big

hot



Make superlative sentences describing the planets.

1. Mercury is the closest planet to the sun.

2. _____

3. _____

4. _____

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ALLEGATO 15

Match each planet with its corresponding sentence

- | | |
|---------|---|
| Mercury | is lighter than Earth |
| Venus | has got deeper valley than Earth |
| Earth | is hotter than Earth |
| Mars | is farther from the Sun than Earth |
| Jupiter | is more beautiful than any other planet |
| Saturn | is colder than Earth |
| Uranus | is closer to the Sun than Earth |
| Neptune | is bigger than all other planets |

Now write the sentences with the name of the planet first

Mercury _____





ALLEGATO 16





Earth	than
Earth	than
Earth	than
Earth	than
Earth	than
is	is
is	is
is	

Uranus	from
Saturn	the
Jupiter	the
Neptune	to
Mercury	Sun
colder	Sun
lighter	bigger
farther	closer

ALLEGATO 17

 The Solar System	
biggest	closest
farthest	hottest
 sun	 sun
is	is
is	is
the	the

the	the
the	the
to	from
 Venus	
 Jupiter	
 Mercury	
 Neptune	

 planet	
 planet	
 planet	
 planet	

Answer Key:

The Solar System
 Jupiter is the biggest planet.
 Venus is the hottest planet.
 Mercury is the closest planet to the sun.
 Neptune is the farthest planet from the sun.

PICTURE 15



ALLEGATO 18

TRUE OR FALSE

1. Mercury is far from the Sun ____
2. Venus is colder than Earth ____
3. The Earth has got one moon ____
4. Mars is "the red planet" ____
5. Mercury is bigger than Jupiter ____
6. Saturn is lighter than Earth ____
7. Uranus is hotter than the Sun ____
8. Sturn is the farthest planet from the Sun ____

ANSWER

1. Which is the closest planet to the Sun?
2. Which is the star at the centre of the Solar System?
3. How many moons has Mars got?
4. Which is the farthest planet from the Sun?
5. How many moons has the Earth got?
6. What is the biggest planet?
7. How many planets are there in the Solar System?
8. What is the smallest planet in the Solar System?
9. What is the hottest planet?

PICTURE 16



PICTURE 17



PICTURE 18



PICTURE 19



ALLEGATO 19

Fill in the blanks with the following words.

Inner	Mars	planets	Neptune
closest	Solar System	Venus	

The Solar System is made up of two parts:

The _____ Solar System contains Mercury, _____, Earth and _____. These four planets are _____ to the Sun.

The **outer** _____ contains Jupiter, Saturn, Uranus, _____. These five _____ are the farthest from the Sun.

The **Asteroid Belt** separates the inner planets from the outer planets. The asteroid belt is a ring of small and large rocks and dust between Mars and Jupiter.

ALLEGATO 20

Fill in the blanks with the following words.

Jupiter	asteroid belt	rocks
outers	separates	smal planets

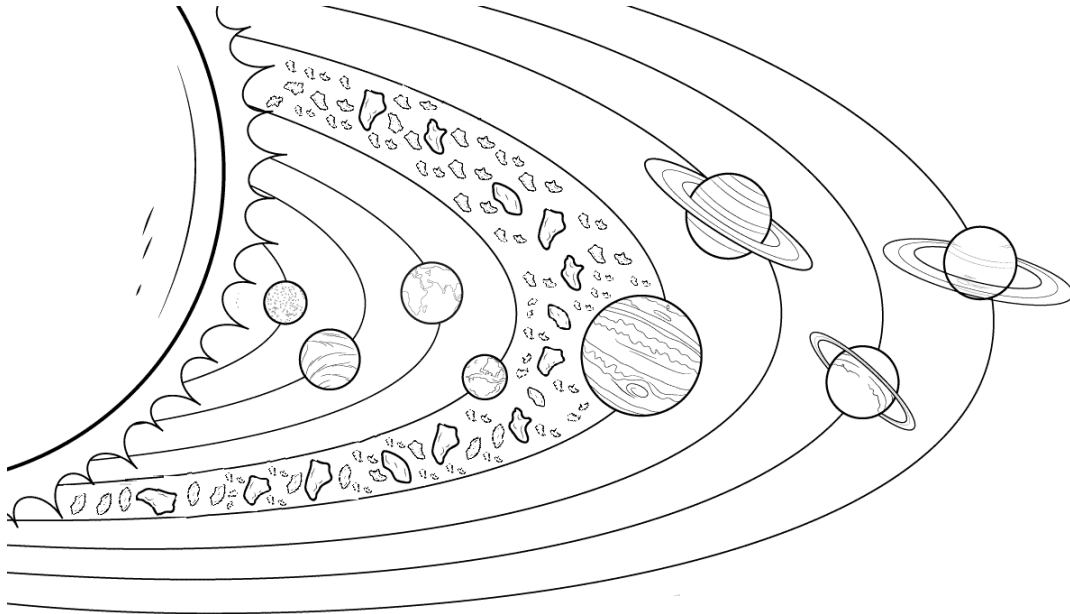
The Solar System is made up of two parts:

The **inner** Solar System contains Mercury, Venus, Earth and Mars. These four planets are closest to the Sun.

The **outer** Solar System contains Jupiter, Saturn, Uranus, Neptune. These five planets are the farthest from the Sun.

The **Asteroid Belt** _____ the inner _____ from the _____ planets. The _____ is a ring of small and large _____ and dust between Mars and _____.

ALLEGATO 21



PICTURE 20



ALLEGATO 22

THE EIGHT PLANETS

There are eight planets in the Solar System. They are grouped in many different ways. Two groupings are **COMPOSITION** (what they are made of) and **SIZE**.

Guess and write the planets in each group

COMPOSITION

Rocky planets

The rocky planets are mostly made up of rock and metal. These planets are very heavy and move slowly. They do not have rings and they have very few moons.

1. _____
2. _____
3. _____
4. _____

Gas planets

The gas planets are mostly made up of gases (hydrogen and helium). These planets are light (just like a big air balloon) and move quickly. They have rings and lots of moons.

1. _____
2. _____
3. _____
4. _____

SIZE

Small planets

The small planets have diameters (how big across the planet is) less than 13 000 km across. They are so tiny!

1. _____
2. _____
3. _____
4. _____

Giant planets

The giant planets have diameters (how big across the planet is) greater than 47 000 km. The giant planets are called "gas giant".

1. _____
2. _____
3. _____
4. _____

ALLEGATO 23

PLANET FACTS

MERCURY

Mercury is the closest planet to the Sun.

Mercury orbits round the Sun very quickly so the planet is called after the messengers of the roman Gods. Mercury has no moons. The surface of Mercury is covered with craters and completely dry. There is no possibility of life on Mercury.

VENUS

Venus is the second planet from the Sun and the brightest planet in the Solar System, so it is called after the roman Goddess of love and beauty. Venus has no moons, but the planet has got continents, mountains and craters. There is no life on Venus because it is the hottest planet in the Solar System.

EARTH

Earth is a truly unique planet:

it is the only planet that has protective atmosphere with 21% of oxygen,

it is the only planet that has liquid water on its surface,

it is the only planet in the solar System that has life.

The Earth takes 365 days to complete its orbit round the Sun.

MARS

Mars is called the "red planet" because in its surface there is a lot of iron oxide and it is called after the roman God of war. Mars and Earth are similar: there is frozen water (ice) on Mars so the scientists think that could be life there. A day on Mars is 24 hours and 39 minutes and the planet has seasons too. But Mars doesn't have a protective atmosphere like Earth, so the temperature is very cold (-82°C in winter and -5°C in summer). On Mars there are the highest mountain (Olympus Mons) and the deepest valley (Valles Marineris) in the Solar System.

JUPITER

Jupiter is the giant of the Solar System and is called after the roman king of Gods.

Jupiter is the stormiest planet in the Solar System, there is a permanent storm on Jupiter called the "great red spot". Jupiter is the first of the gas giants and it is made of hydrogen and helium and it has 63 moons.

SATURN

Saturn is the sixth planet in the Solar System; the planet is called after the roman god of agriculture who is one of the Titans. Saturn is bright and has got rings made of ice and dust. Saturn has 49 moons and it is the windiest planet in the Solar System. Saturn is one of the gas giants: it is a great ball made of hydrogen and helium.

URANUS

Uranus is the seventh planet from the Sun and it is called after the roman God of sky. The center of Uranus is made of frozen methane which gives it the blue-green colour. Uranus is one of the gas giants and it has got rings. Uranus takes 84 years to complete one orbit around the Sun.

NEPTUNE

Neptune is the 8th planet in the Solar System and the farthest from the Sun. It is called after the roman God of the sea. Neptune is one of the gas giants, it is made of gas. Neptune is a ball of hydrogen and helium and it has got 13 moons.

ALLEGATO 24

How does Mercury get its name?	How does Jupiter get its name?	How long does it take the Earth to orbit the Sun?
What is the permanent storm on Jupiter called?	How many moons does Saturn have?	How long does it take Uranus to orbit the Sun?
How long is a day on Mars ?	What is the surface of Mercury covered with?	What is the deepest valley called?
Venus is named after a Roman Goddess, which one?	What is the percentage (%) of oxygen on Earth ?	How many moons does Venus have?
Does Uranus have rings?	How far is Neptune from the Sun?	What is Neptune made of?

PICTURE 21



ALLEGATO 34

Tick the correct answer

1. Which is the closest planet to the Sun?

- a. Mercury
- b. Mars
- c. Earth

2. Which is the largest planet in our Solar System?

- a. Mars
- b. Jupiter
- c. Saturn

3. Which is the hottest planet in our Solar System?

- a. Venus
- b. Jupiter
- c. Saturn

4. What is the Sun?

- a. A star
- b. A planet
- c. A galaxy

5. Which planet is called "the red planet"?

- a. Venus
- b. Jupiter
- c. Mars

6. Is the planet Neptune bigger than Earth?

- a. Yes
- b. No

7. Which planet has the bigger rings?

- a. Neptune
- b. Saturn
- c. Mercury

8. The Asteroid Belt lies between which two planets?

- a. Mars and Jupiter
- b. Earth and Mars
- c. Venus and Earth

9. How many moons does Earth have?

- a. 200
- b. 2
- c. 1

10. Which planet is the smallest in the Solar System?

- a. Mercury
- b. Jupiter
- c. Venus

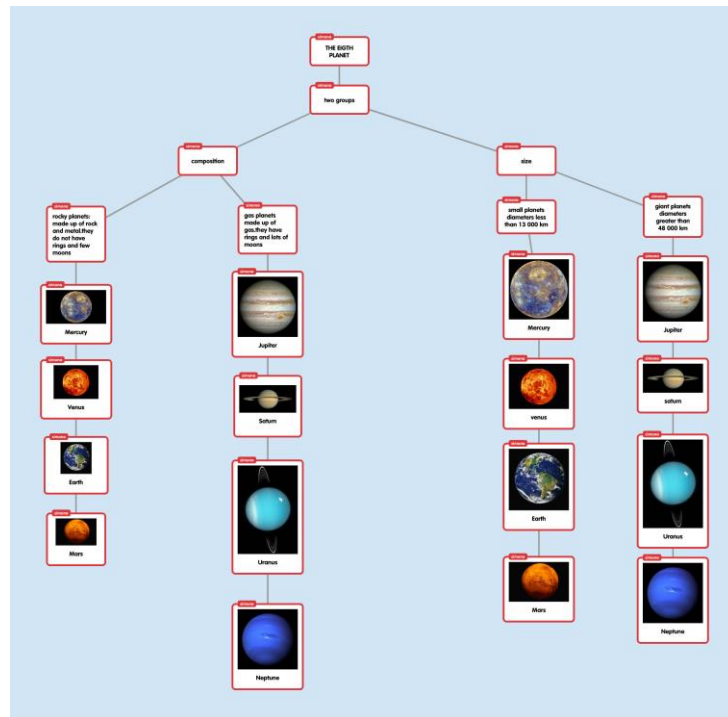
11. How many planets are there in our Solar System?

- a. 6
- b. 8
- c. 11

12. Which planet is the farthest from the Sun?

- a. Earth
- b. Neptune
- c. Jupiter

ALLEGATO 25



ALLEGATO 26



EARTH

Earth facts

The Earth is the only planet that has protective atmosphere with 21% of oxygen, it is the only planet in the Solar System that has life.

- ♥ Earth is the third planet in the Solar System.
- ♥ Earth is an inner planet
- ♥ Earth is a small planet

COMPOSITION

Earth is a rocky planet

Earth is the only planet that has liquid water on its surface

Earth has got one moon



30 km/s

Speed of the orbit round the Sun



12 756 km

Diameters



365 years

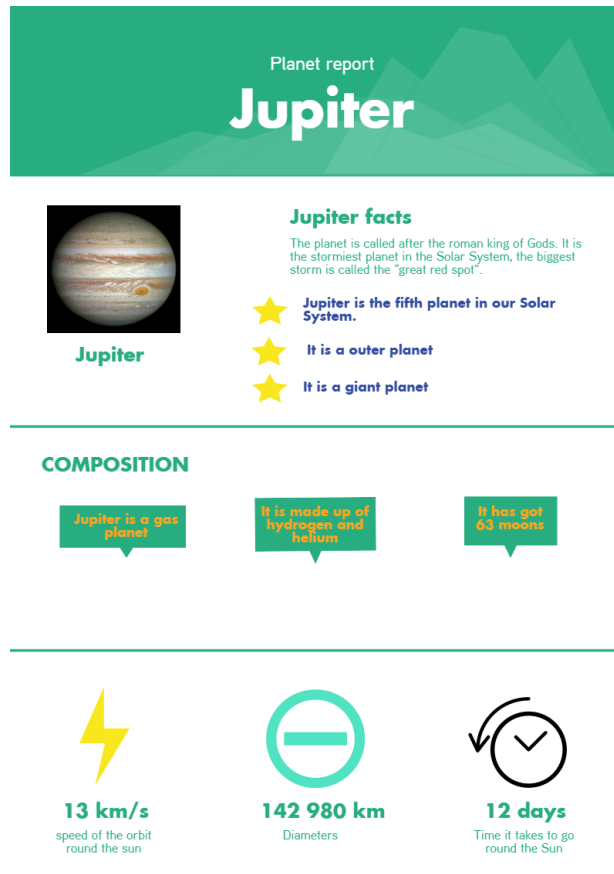
time it takes to go round the Sun

ALLEGATO 27



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ALLEGATO 28



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ALLEGATO 29

Planet report SATURN



Saturn

Saturn facts

Saturn is called after the roman god of the agriculture who is one of the Titans. It is the windiest planet in the solar system. It has got rings made of ice and dust.

- ★ Saturn is the sixth planet in The Solar System
- ★ Saturn in an outer planet
- ★ It is a giant planet

Composition

Saturn is a gas planet

Saturn is a great ball made of hydrogen and helium

Saturn has got 49 moons



9 Km/s
Speed of the orbit round the Sun



120 540 Km
Diameter

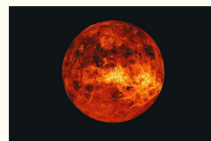


29 years
Time it takes to complete an orbit

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ALLEGATO 30

Planet report VENUS



VENUS

Venus facts

Venus is the brightest planet in the Solar System, it is called after the roman Goddess of love and the beauty. The planet has got continents, mountains and craters.

- ★ Venus is the second planet in the Solar System
- ★ Venus is a inner planet
- ★ Venus is the hottest planet in the Solar System

COMPOSITION

Venus is a rocky planet

Venus is the brightest planet in the Solar System

Venus hasn't got moons



35 km/s
Speed of the orbit round to the Sun



12 390 Km
Diameters



225 days
Time it takes to go round to the Sun

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ALLEGATO 31

Planet report

MERCURY



Mercury

Mercury facts

Mercury is the closest planet to the Sun. It is called after the messenger of the Roman gods. Its surface is covered with craters and completely dry. There is no possibility of life on Mercury.

- ★ Mercury is the first planet in the Solar System
- ★ It is an inner planet
- ★ It is a small planet

Composition

Mercury is a rocky planet

It is made up of rock and metal

Mercury hasn't got moons



48 Km/s
Speed of the orbit round the Sun



4990 Km
Diameter



88 days
Time it takes to complete an orbit

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ALLEGATO 32

Planet report

NEPTUNE



Neptune

Neptune facts

It is the farthest planet from the Sun. It is called after the Roman God of the sea. Neptune has rings.

- ★ Neptune is the eighth planet in the Solar System
- ★ Neptune is an outer planet
- ★ It is a giant planet

Composition

Neptune is a gas planet

It is made up of hydrogen and helium

Neptune has got 13 moons



5 Km/s
Speed of the orbit round the Sun



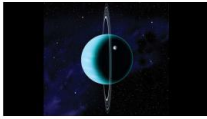
47 000 Km
Diameter



165 years
Time it takes to complete an orbit

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Planet report
URANUS



Uranus

Uranus facts

Uranus is called after the roman God of Sky. Uranus has got rings.

- ★ Uranus is the seventh planet in The Solar System
- ★ Uranus in an outer planet
- ★ Uranus is a giant planet

Composition

Uranus is a gas planet

The center of Uranus is made of frozen methane

Neptune has got 27 moons



7 Km/s
Speed of the orbit round the Sun



49 000 Km
Diameter



84 years
Time it takes to complete an orbit