

# **THE SOLAR SYSTEM**

## **Worksheets**

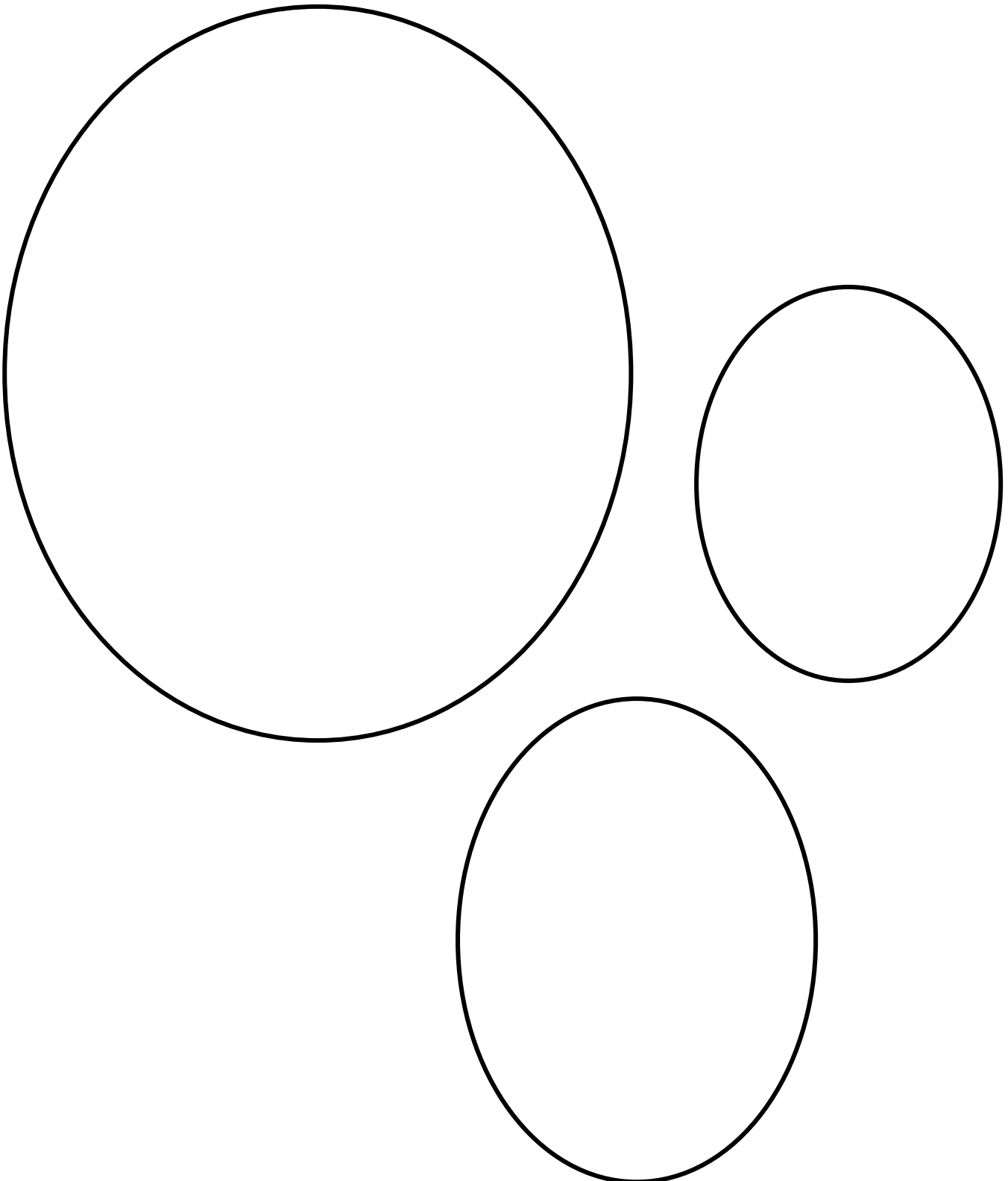
### **UNIT 1**

Raül Martínez Verdún

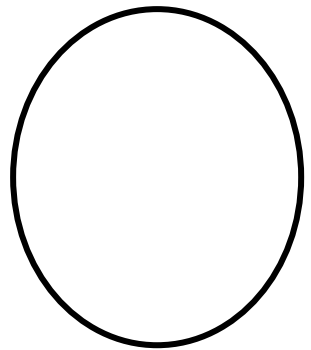
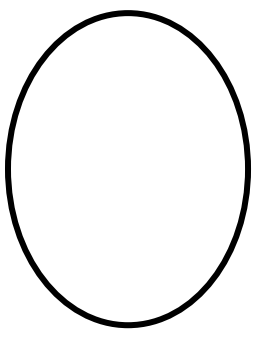
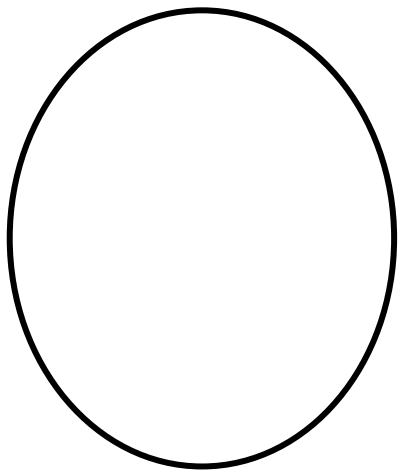
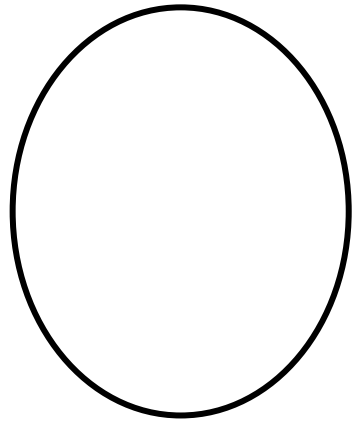
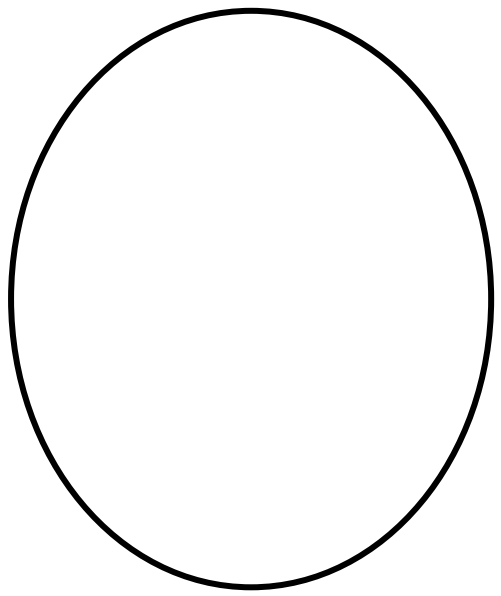
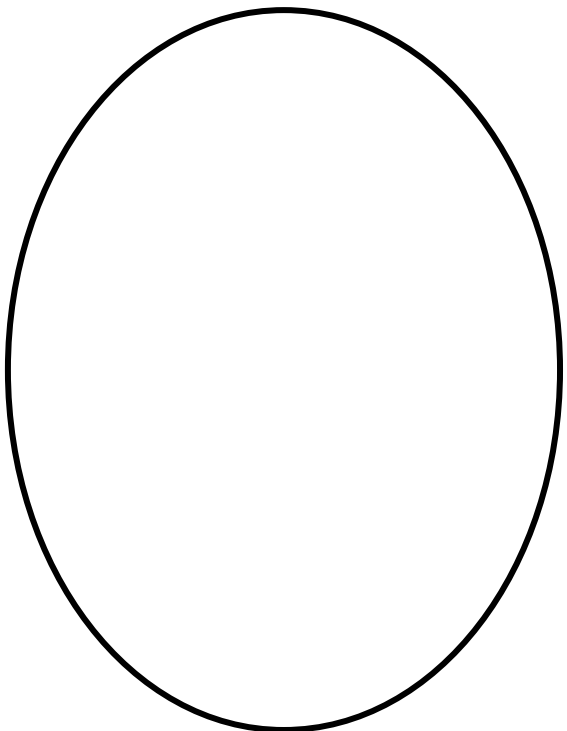
October-December 2009

<b>NAME:</b>	<b>DATE:</b>	<b>Worksheet 1A</b>
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✚ Cut out these 9 circles and then order them from the smallest to the biggest.



<b>NAME:</b>	<b>DATE:</b>	<b>Worksheet 1B</b>
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<b>NAME:</b>	<b>DATE:</b>	<b>Worksheet 2</b>
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✚ Read the sentences and write the name of the planets and the Sun on each corresponding circle:

The <b>Sun</b> is the <b>biggest</b> body in the Solar System, much bigger than any other planet.
<b>Mercury</b> is the <b>smallest</b> planet in the Solar System.
<b>Jupiter</b> is the <b>biggest</b> planet in the Solar System.
<b>Saturn</b> is <b>smaller than</b> Jupiter but <b>bigger than</b> every other planet.
In size, <b>Mars</b> is <b>between</b> Mercury and Venus.
<b>Venus</b> is bigger than Mars but <b>smaller than</b> the Earth.
In size, the <b>Earth</b> is <b>between</b> Neptune and Venus.
<b>Neptune</b> is <b>smaller than</b> Uranus but <b>bigger than</b> the Earth.
In size, <b>Uranus</b> is <b>between</b> Neptune and Saturn.

<b>NAME:</b> _____	<b>DATE:</b> _____	<b>Worksheet 3</b>
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✚ Read these sentences and complete A. Then put the planets and the Sun in their real order by guessing which planet is described. Use the words from the box below to help you.

<b>A</b>	_____ is our nearest star, containing 750 times more matter than all the other bodies in the Solar system put together.
<b>B</b>	<u>Planet one</u> (the nearest to the Sun) starts with letter "M" and ends with "Y".
<b>C</b>	<u>Planet two</u> has got five letters in its name.
<b>D</b>	<u>Planet three</u> is called the 'blue' planet because over 70% of its surface is covered by water. Not enough? Ok, another hint: you live on it.
<b>E</b>	<u>Planet four</u> owes its name to the Roman god of war, being also called the "red" planet because of the colour of its surface.
<b>F</b>	The first letter of <u>planet five</u> is the 10 <sup>th</sup> letter of the alphabet. The last one is the 18 <sup>th</sup> (Remember, your alphabet is different from the English one).
<b>G</b>	<u>Planet six</u> has got six letters, but the last one is not an "S".
<b>H</b>	<u>Planet seven</u> has got as the first letter the sixth letter from the end of the alphabet.
<b>I</b>	There is one left, do you need any help? Just in case: its name comes from the Roman god of the sea because it looks blue (not so much as the Earth). This is <u>planet eight</u> .

<b>Uranus</b>	<b>Jupiter</b>	<b>Mars</b>	<b>Mercury</b>	
<b>Earth</b>	<b>The Sun</b>	<b>Neptune</b>	<b>Venus</b>	<b>Saturn</b>

<b>NAME:</b>	<b>DATE:</b>	<b>Worksheet 4</b>
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✂ Cut out the slips of paper from the box below and put them in order according to the story.

<b>A</b>	<b>THE PROCESS OF TAKING SHAPE WAS REALLY SLOW FOR ALL THE BODIES IN THE UNIVERSE.</b>
<b>B</b>	<b>OF THE EIGHT PLANETS, THE FOUR NEAREST TO THE SUN ARE SMALL AND ROCKY, AND THE FOUR FARTHEST FROM THE SUN ARE BIG AND GASEOUS</b>
<b>C</b>	<b>THE NAME OF OUR HOME GALAXY IS THE MILKY WAY</b>
<b>D</b>	<b>THE BIG BANG HAPPENED 14 BILLION YEARS AGO</b>
<b>E</b>	<b>THE GALAXIES DO NOT FORM UNTIL ONE OR TWO BILLION YEARS AFTER THE BIG BANG</b>
<b>F</b>	<b>THE UNIVERSE WAS CREATED AND WITHIN THIS, GALAXIES, SOLAR SYSTEMS, STARS AND PLANETS</b>
<b>G</b>	<b>THERE ARE EIGHT PLANETS MOVING AROUND THE SUN</b>
<b>H</b>	<b>THERE ARE SMALL BODIES SUCH AS MOONS, COMETS AND ASTEROIDS THAT ORBIT THE SUN OR THE PLANETS</b>
<b>I</b>	<b>THERE WAS A TIME, MANY, MANY YEARS AGO WHEN NOTHING EXISTED. NO MATTER, NO SPACE, NO TIME</b>
<b>J</b>	<b>STARS VARY IN BRIGHTNESS, TEMPERATURE, COLOUR AND SIZE</b>
<b>K</b>	<b>PLANETS ARE DESCRIBED BY SCIENTISTS AS SPHERICAL BODIES MOVING AROUND THE SUN OR ANOTHER STAR</b>

**NAME:****DATE:****Worksheet 5**

- ✚ Listen to the music and draw what it suggests to you. You can do it either 'portrait' or 'landscape'.



<b>NAME:</b>	<b>DATE:</b>	<b>Worksheet 6A</b>
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- ✚ Look at the questions below and ask them to a partner. You can use the box provided to help you.

**STUDENT A**

1. What is the name of the big explosion that occurred 14 billions years ago?
2. What is the name of the star that gives its name to our Solar System?
3. What is the smallest planet in the Solar System?
4. How many moons has the Earth got?
5. Which are bigger: galaxies or solar systems?
6. What is the difference between the inner planets (nearest to the Sun) and the outer planets (farthest from the Sun)?
7. \_\_\_\_\_?

**Student A answers: 1-Big Bang; 2-the Sun; 3-Mercury; 4-one; 5-galaxies;6-Inner planets: small, rocky/Outer: big, gaseous; 7-open**

- Consider for your answers just the words not in bold.

**LANGUAGE SUPPORT**

**BIG BANG**      MILKY WAY      **THE SUN**      JUPITER      NO TIME

**MERCURY**      **BIG**      THE EARTH      **ONE**      NEPTUNE MARS

VENUS SATURN      **GASEOUS**      URANUS      **ROCKY**      NO SPACE

100 BILLION      **GALAXIES**      NOTHING      **SMALL**      NO MATTER



<b>NAME:</b>	<b>DATE:</b>	<b>Worksheet 6B</b>
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🚩 Look at the questions below and ask them to a partner. You can use the box provided to help you.

***STUDENT B***

1. What is the name of our home galaxy?
2. What is the biggest planet in the Solar System?
3. Which planet is between Venus and Mars?
4. How many galaxies are there in the part of the Universe we can see?
5. What was there before the Big Bang?
6. Why did the Universe expand?
7. \_\_\_\_\_?

**Student B answers: 1-the Milky Way; 2-Jupiter; 3-the Earth; 4-about 100 billion galaxies; 5-nothing/no matter/no time/no space; 6-the Big Bang explosion; 7-open**

- Consider for your answers just the words not in bold.

<b>LANGUAGE SUPPORT</b>	<i>ROCKY</i>	<b>BIG BANG EXPLOSION</b>		
<i>BIG BANG</i>	<b>MILKY WAY</b>	<i>THE SUN</i>	<b>JUPITER</b>	<b>NO MATTER</b>
<i>MERCURY</i>	<i>BIG</i>	<b>THE EARTH</b>	<i>ONE</i>	<i>NEPTUNE SATURN</i>
<i>VENUS</i>	<i>URANUS</i>	<i>MARS</i>	<b>NO TIME</b>	<b>NO SPACE</b>
<b>100 BILLION</b>	<i>GALAXIES</i>	<b>NOTHING</b>	<i>SMALL</i>	<i>GASEOUS</i>