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| Listening  Speaking  Reading  Grammar  Writing |
| **Topic:**  **Solar System & Pluto** |

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| Instructor:  **LEE** | Level:  **Upper-intermediate** | Students:  **13 students** | Length:  **30 Minutes** |

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| Materials:  Board and marker  picture#1, picture#2, picture#3, picture#4, picture#5 (Vocabulary), worksheet#1 (15) for pre-activity  Reading passage(15), worksheet #2(15), worksheet#3(2) for main activity  Planet’s pictures and names for post activity |

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| Aims:   * Main aim: * Students will improve their reading skills by having students practice reading the passage about the solar system and Pluto. * Secondary aim: * Students will be better able to understand the passage about the solar system through worksheets and activities on the solar system. * Personal aim: * I want to reduce my TTT * I want to improve my demonstration techniques. * I want to improve more ICQs and CCQs skill. * I want to go with the lesson more smoothly and more quickly. * I want to try to speak my English more fluently. |

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| Language Skills:   * Reading: Ss will practice their reading skills by reading the passage of Pluto and by reading descriptions of planets.      * Listening: Ss will practice their listening skills by listening to other’s idea during activities. * Speaking: Ss will practice their speaking skills by sharing their ideas in group and individually. * Writing: Ss will practice their writing skills by filling in the blank and writing the answer during working on the worksheets. |

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| Language Systems:   * Phonology: Ss will be able to pronounce the name of the planets on the solar system. * Lexis: Ss will learn the name of planets. * Grammatical: Ss will be able to use present tense when they describe planets      * Functional: Ss will be able to discuss their idea during group activities. * Discourse: None to discuss |

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| Assumptions:   * Ss already know each other and how the class works. * Ss already know teacher’s style of teaching and the pace of course. * Ss already know what solar system is, but Ss are confused with the name of different planets.. |

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| Anticipated Problems and Solutions:  Students may take long time to finish their tasks.   * Monitoring and help them if needed. * Make them hurry by timing.     Students may feel difficulty to understand new words related to solar system.   * Show them a picture or good examples about those words.   If time is short   * Cut post-activity short by asking only 1~2 students to share their sentences.     If students finish their tasks earlier than expected   * Use S.O.S activity |

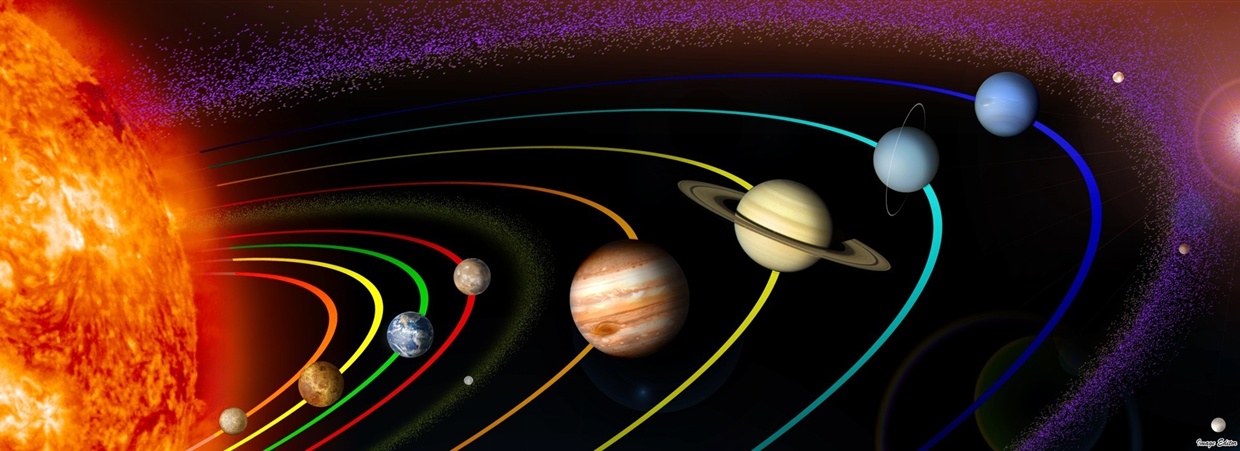
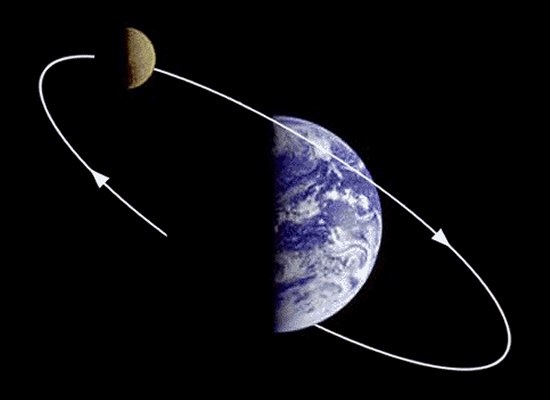
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| References:  -http://www.google.com/  - <http://www.cnngo.com/explorations/life/22-travel-world-records-039346>  - [www.macmillanenglish.com/inspiration](http://www.macmillanenglish.com/inspiration).  - http://choppasenoel.blogspot.com/2012/04/guinness-book-of-records-for-2012.html |

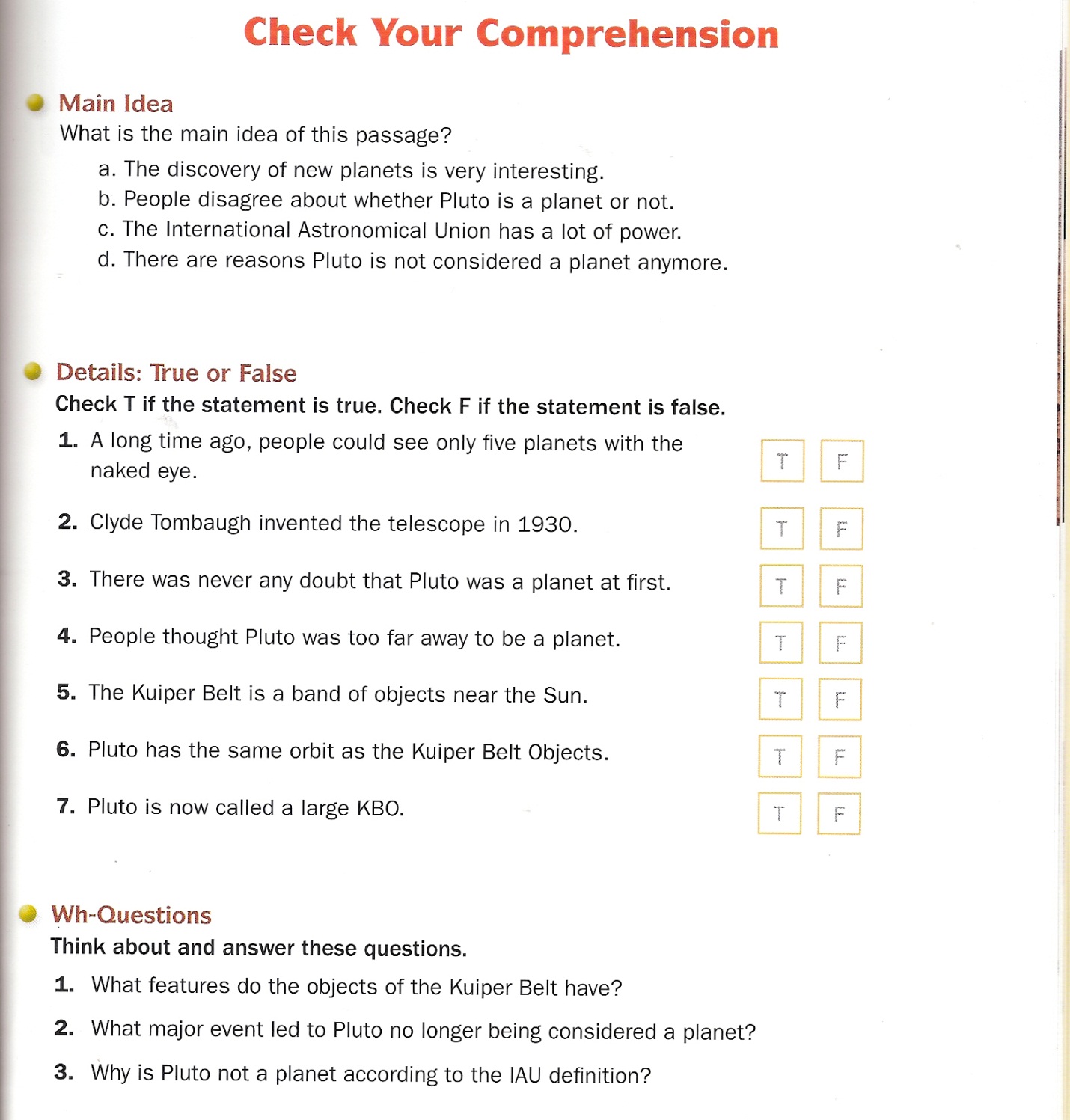
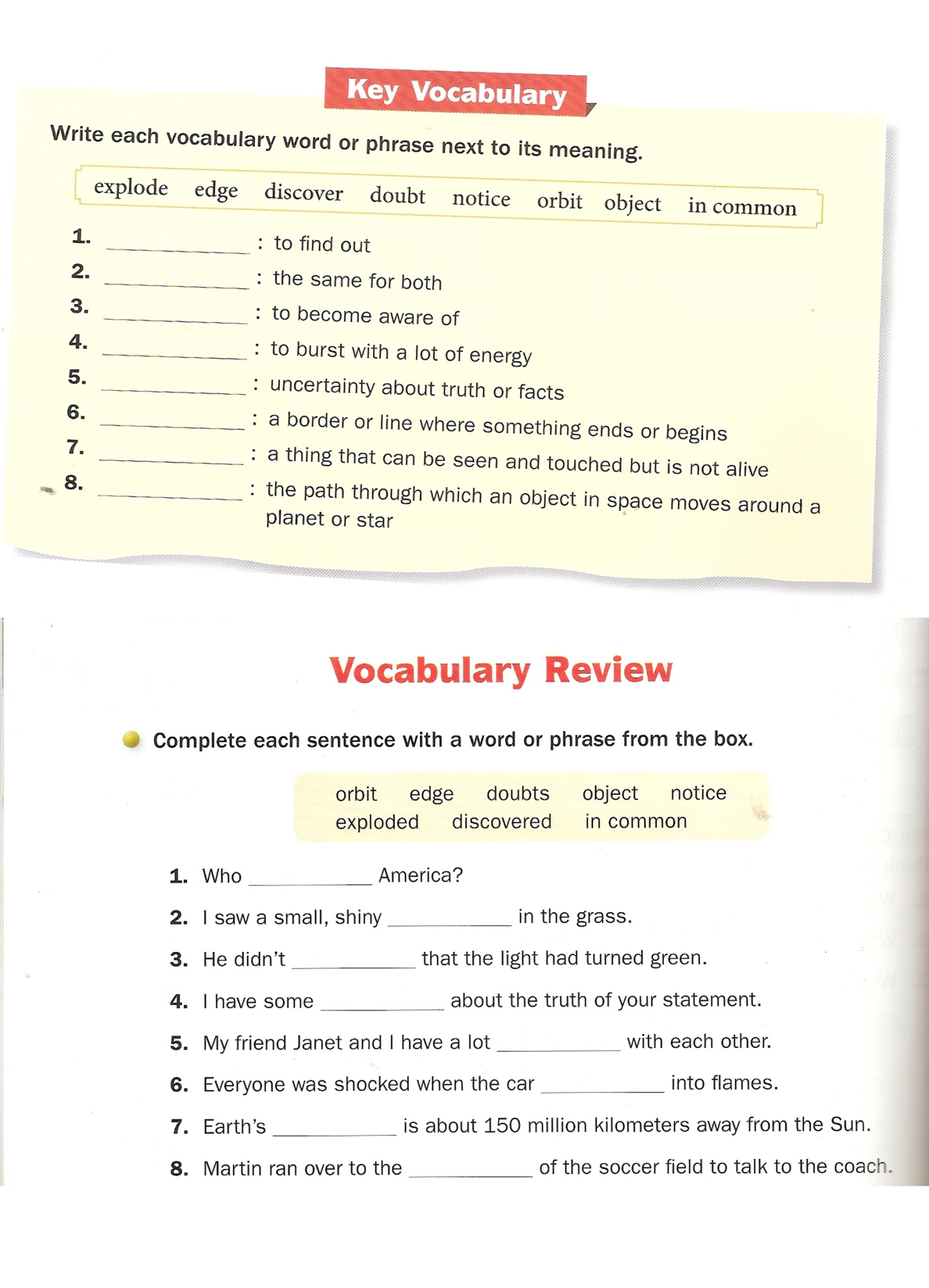
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| **Lead-In** | | | |
| Materials: | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 2min | Whole class | <Greeting> | Greeting  *Hello, Hi, Good morning~!!*  *How is the weather today??*  *It is nice, isn’t it??*  *When I was young, I lived in rural area. So I used to enjoy see beautiful srars in the sky. Tonight, I am looking forward to seeing the beautiful stars in the night sky, because the sky is very clear these days.* |

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| **Pre-Activity** | | | |
| Materials: board, marker, picture#1~#5, worksheet#1 | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 3min  2min  2min | Whole class  Whole class | <Vocabulary for reading>  <working on the worksheet>  <sharing Ss’ answer> | Eliciting  (Show the picture # 1-telescope)  *What do you see in this picture?*  “telescope.!!”  (boarding and saying)  *Right, there is a telescope.*  *What is the telescope?*  *“It makes distant things seem larger”*  (showing picture#2 – astronomer)  *Who is he??*  *“astronomer”*  *(boarding)*  *What is he studying??*  *“Astronomy, stars…..”*  (show picture#3-solar system)  *What is it?*  “solar system”  (boarding)  *(show picture#4-orbit)*  *What can we call this kind of path??*  “orbit!!”  *Right so.. we are talking about solar system today*  CCQs  *Solar system is in my body?*  *Solar system is in outer space?*  *I’ll give you the worksheet. What you are going to do is filling in the blank.*  *You are working alone, and you have 1minute to complete it*  ICQs  *What are you going to do?*  *How many minutes do you have?*  *Are you working alone?*  *I don’t want you to start until I say go!!*  *Will you start as I give you the paper?*  *Will you start as I say go??*  (hand out worksheet#1)  *OK. Ready? Go!*  (Timing 30sec/10sec)  *Times up!*  (ask Ss to answer)  *Good! Good job, guys.* |

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| **Main Activity** | | | |
| Materials: picture of Pluto, reading passage, worksheet#2, worksheet#3 | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 1min  5min  4 min  5min | Whole class  individually  In a group  In a group | <guess the title of pictures>  <reading the passage and answer the questions>  <matching pictures with description>  <traveling around a certain planet> | Prediction  (show the picture of Pluto)  *Can anybody tell me what it is?*  *That’s right.*  *The planet, Pluto.!!*  *But there were some controversial opinions and dramatic changes on Pluto.*  *Let’s figure it out.!!*  Instruction  *I will give you a passage about Pluto. After You are reading it, solve some questions on the worksheet. You can have 3minutes to complete it. And you are working alone.*  ICQs  *What are you going to do?*  *How many minutes do you have?*  *Are you working alone?*  *I don’t want you to start until I say go!!*  *Will you start as I give you the paper?*  *Will you start as I say go??*  (hand out the passage and worksheet)  *OK. Ready? Go!*  (Timing 1min/ 30sec/10sec)  *Times up!*  (ask Ss to answer)  *Good! Good job, guys.*  (grouping Ss into two group, “solar”, “system”  *Ok, before we start another activity, let’s group you guys.*  *“solar”, “system”*  (pointing the exact area where they can gather together)    *All “solar” here, all “system” here.*  Instruction  *We have 8pictures and descriptions of planets in the solar system.*  *You are going to match each picture with the best description of it.*  *You can have 2 minutes to complete it. And you are working in a group.*  ICQs  *What are you going to do?*  *How many minutes do you have?*  *Are you working alone?*  *I don’t want you to start until I say go!!*  *Will you start as I say go??*  *OK. Ready? Go!*  (Timing 1min/ 30sec/10sec)  *Times up!*  (ask Ss to answer)  *(have the tallest Ss board the answer)*    *Good! Good job, guys.*  Instruction  (show the brochure of traveling around Saturn)  *What is it?*  *It’s brochure for the trip to the Saturn.*  *Now, we can easily travel our solar system with spaceship.*  *So you are planning to go on a trip to outer space for this weekend.*  *Which planet would you like to go?*  *Please, choose two planets and think about what features attract you.*  *In my case, I would like to go to Mars. Because I want to know if there exists a living creature or not.*  *You can have 2minutes to think about it and you are working in a group.*  *You can choose two best plans in your group.*  ICQs  *What are you going to do?*  *How many minutes do you have?*  *Are you working alone?*  *OK. Ready? Go!*  (Timing 1min/ 30sec/10sec)  *Times up!*  (ask the answers of the group)  *Good! Excellent!!*  *I’m looking forward to the trip on the solar system* |

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| **Post Activity** | | | |
| Materials: | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 5min | Whole class  i |  | Instruction  *Now, 000!! 000!!*  *I want you to do rock scissors paper!!*  *Ok, 000 is winner.*  *Please, come up here and sit down here.*  *I will show the picture of certain planet and then you answer.*  *If you are saying the right answer, it goes to next person.*  *You can have 1minute for whole questions.*  ICQs   * *What are you going to do?* * *How much time do you have?*   *Ready. Go!!*    (do the same for the other group.)  *OK, good job.*  Error Corrections  *I didn’t find any mistake today.*  case1) *So, can you unscramble this?*  (sssoarlyemt)  Closing  *OK, Thank you for the participation today. You did a great job. Does anyone have a question? Well, If there is no further question, this concludes my reading microteaching.* |
| **SOS Activities** | | | |
| Materials: | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 5 min | Whole class |  | Instruction  *(board “do you believe there exsists a living creature in outer space?*  *Now, you are going to board your name under “yes” or “no”.*  *(have Ss board their names under “yes” or “no” )*  **ICQs**  *What are you going to do?*  *Okay. And Go!*  **Monitor discreetly**  (After boarding, ask 2~5 Ss for sharing their idea) |





**Mercury**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **4 800 km** | **58 Mio km** | **88 days** | **-** |

**It is the nearest planet to the sun and it is the smallest planet with a diameter of 4800 kilometers. The temperatures fluctuate from +400 degree celsius (dayside) to –100 degree celsius (nightside).**

**Venus**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **12 300 km** | **108 Mio km** | **225 days** | **-** |

**This planet is the brightest star in the sky and he seems like a „morning- and evening star“. It is surrounded by a cloudy and dull atmosphere which makes it unable to see its surface.**

**Mars**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **6 800 km** | **228 Mio km** | **1 year 322 days** | **2** |

**Mars is a „neighbor-planet“ of the earth and it shines with a red light. His surface was photographed from the very near from an American spacecraft for the first time in July 1965.**

**Jupiter**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **142 700 km** | **778 Mio km** | **11 years 317 days** | **11** |

**It is „the giant of the planets“. 12 moons rotate around it. It is surrounded by a huge atmosphere.**

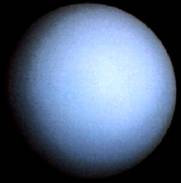
**Saturn**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **120 800 km** | **1 Mia 428 Mio km** | **29 years 174 days** | **10** |

**It has 10 moons and one of them has even an own atmosphere. its ring consists of very small dust-parts which rotate around him.**

**Uranus**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **49 700 km** | **2 Mia 872 Mio km** | **84 years 28 days** | **5** |

**He is accompanied by 5 moons and needs about 84 earth-years to rotate one time around the sun.**

**Neptun**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **53 000 km** | **4 Mia 500 Mio km** | **164 years 321 days** | **2** |

**He has two moons and a rotation around the sun takes him 165 earth-years. His weight his 17 times higher than the weight of our planet.**

**Pluto**

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| **Diameter** | **Distance from sun** | **Rotation-time around sun** | **Moons** |
| **5 000 km** | **5 Mia 900 Mio km** | **250 Jahre** | **-** |

**He is the planet with the biggest distance to the sun and he was discovered in 1930 as a very small star. We don’t know anything**