

Quiz and Scavenger Hunt



Subject: Science

Estimated Time: 60 minutes

Unit of Study: Space

Grade Level: 6

Intended Student Outcomes	<p>Specific Expectations:</p> <p><u>Science and Technology</u></p> <ul style="list-style-type: none"> 🌐 Identify components of the solar system, including the Sun, the Earth, and other planets 🌐 Understand the differences between each planet's physical composition 🌐 Associate each planets defining attributes appropriately <p>Student Outcomes:</p> <ul style="list-style-type: none"> 🌐 Student will understand masses within the Solar System 🌐 Understand that each planet has unique characteristics
Assessment	<p><u>Science and Technology</u></p> <ul style="list-style-type: none"> 🌐 Assessment will be formal in the form of a quiz, which is broken down into two sections; labeling the solar system and multiple choice. The quiz will be graded out of eighteen total marks
Rationale	<p>Students have been anxious to complete our topic on the solar system because they have been promised a scavenger hunt to bring this section of the Space unit to a close. This activity will serve as a final review before the quiz.</p>
Motivation/ Anticipatory Set	<p>Students have been anticipated the solar system scavenger hunt. They have been anxious all day to use their new knowledge of the solar system in hopes of obtaining a prize.</p>
Student Engagement/ Procedures	<ul style="list-style-type: none"> 🌐 Students will place the students in pairs (one strong student with a weaker student) and have them complete the scavenger hunt. 🌐 The pairs will be given a question sheet, they will be asked to search around the classroom for the flash card with the answer on it. In order for this game to remain competitive, students will have points taken away for talking or giving any type of answers away to other group members, students will also have points deducted for any type of arguing related to the game. Students will be allotted 20 minutes to complete the game. The order of pairs who turned in their answer sheets will be documented. 🌐 After the hunt has ended and the question turned into me we will correct the answers together as a class. After this has been completed the winners will be determined. The first three pairs to finish the hunt will be checked if all three pairs have a perfect sheet they will win the prize if they don't I will call up the next pair in order from their turn in time.
Closure	<p>After this activity has been decided we will clear our desks and the quiz will be administered 15 minutes will be given to the students to complete the quiz. I will read through the quiz together with the students. After this they will be allowed to ask any questions pertaining to the quiz. Students will complete the quiz and raise their hand and I will collect it.</p>
Accommodations/ Modifications	<p>In my Grade 6 class, I have two students with auditory impairment, in order to facilitate their needs I will ensure that they are seated at the front of the class for easy listening. There is also a behavioural student in the class in order to ensure she is benefiting fully from the lesson I will ensure her EA is in the classroom to help guide her through the lesson.</p>

Implementation Procedures – Materials/Equipment/ Technology	<ul style="list-style-type: none">🌐 Quiz🌐 Scavenger Hunt Cards
Reflection	

QUIZ

Our LAR System

How many planets can you name?

5

4

3

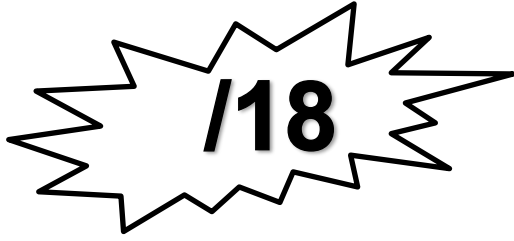
2

1

6

7

8



Name: _____

Solar System Quiz

- 1) The Sun is...
 - a. A star
 - b. A moon
 - c. A planet
 - d. A comet

- 2) Which planet has the most rings?
 - a. Earth
 - b. Jupiter
 - c. Saturn
 - d. Uranus

- 3) Which planet is closest to the Sun?
 - a. Venus
 - b. Neptune
 - c. Earth
 - d. Mercury

- 4) Which planet was named after god of water?
 - a. The Sun
 - b. Mars
 - c. Uranus
 - d. Neptune

- 5) Which planet has an Ozone layer other than Earth?
 - a. Mars
 - b. Venus
 - c. Jupiter
 - d. Uranus

- 6) Which planet is a one of the gas giants?
 - a. Earth
 - b. The Sun
 - c. Uranus
 - d. Mars

- 7) The Earth has how many moons?
- a. 1
 - b. 4
 - c. 2
 - d. 5
- 8) Which planet is known as the red planet?
- a. Mars
 - b. Jupiter
 - c. Venus
 - d. The Sun
- 9) What is the largest planet in the solar system?
- a. Earth
 - b. Saturn
 - c. Jupiter
 - d. The Sun

BONUS

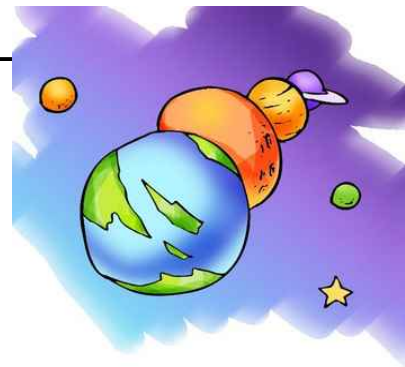
Select a planet and write one fact about it

Planet: _____

Fact:

Name: _____

Our Solar System Scavenger Hunt Activity



Materials: Question worksheet (pages 2-3)
16 Solar System Cards (pages 4-8)
Tape and Scissors

Preparation: Print the fact cards on card stock or brightly-colored paper and cut them out.

Make copies of the question sheet (2-sided). Each student will need his/her own copy.

Hide the fact cards around your classroom where kids will be able to find them. You can stick them on your computer keyboard, on the file cabinet, on the sides of student desks, on chairs, on the chalkboard, on the back of your classroom door, or wherever you like.

Activity: Students receive a copy of the question worksheet. They have to search the room and find all of the fact cards to answer the questions.

After they have completed the question sheet, you can go over the answers together with the class.

Management tips:

You may want to make this a silent activity so students don't share answers with each other.

You can have the kids work alone or with a partner.

Don't be afraid to hide the facts in "tough" places. Kids think it's more fun when they have to search around a little.

Examples of good hiding spots might include:

- the back of the classroom door
- laying flat on the bookshelf
- on the side of your computer monitor

Have a plan for students who finish early. You may want to have an assignment for them to complete when they're done, or you may have them help other students find fact cards.

Name: _____

Side A

Solar System Scavenger Hunt

Fact Card #1: How far away is the sun?

Fact Card #2: What is the hottest planet?

Fact Card #3: Which planet has the most volcanoes?

Fact Card #4: How many stars are in our solar system?

Fact Card #5: Name all of the planets people have walked on.

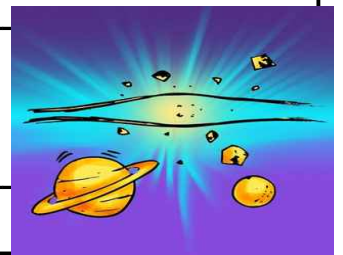
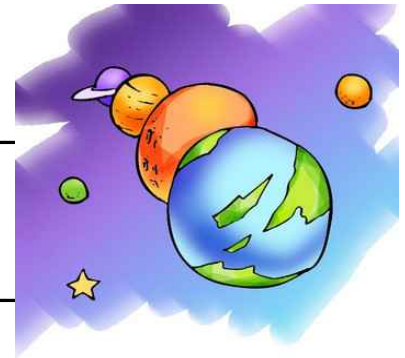
Fact Card #6: What does a Mars rover do?

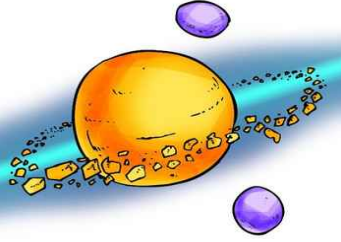
Fact Card #7: Name all of Mars' moons.

Fact Card #8: What is Jupiter's "Great Red Spot"?

Fact Card #9: Name all of the planets that have rings.

Fact Card #10: Name all four "Gas Giants."





Solar System Scavenger Hunt

Fact Card #11: What is the coldest planet in our solar system?

Fact Card #12: How fast do winds blow on Neptune's wind storms?

Fact Card #13: Why isn't Pluto considered a planet any more?

Fact Card #14: Name all five dwarf planets in our solar system.

Fact Card #15: How long does it take light to travel from the sun to Earth?

Fact Card #16: Name Pluto's three moons.

Fact Card #17: What were the names of the first two people to walk on the moon?

Fact Card #18: When was the last time someone walked on the moon?

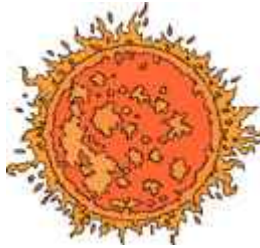


Solar System

Scavenger Hunt

Fact Card #1

The sun is 93-million miles away from Earth. This is equal to 146-million kilometers.



Solar System

Scavenger Hunt

Fact Card #2

Mercury is the closest planet to the sun, but it is not the hottest. Venus is the hottest planet because it has many clouds that trap in heat.



Solar System

Scavenger Hunt

Fact Card #3



Venus has more volcanoes than any other planet.

Solar System

Scavenger Hunt

Fact Card #4

There is only one star in our solar system - the sun.

Our galaxy has millions of stars.

Solar System

Scavenger Hunt

Fact Card #5

Earth is the only planet people have ever walked on. Astronauts have also walked on the Earth's moon, but that's not a planet.



Solar System

Scavenger Hunt

Fact Card #6

Scientists have sent robots, called rovers, to explore Mars. The rovers drive around the surface of Mars, take pictures, and send them back to Earth.



Solar System

Scavenger Hunt

Fact Card #7



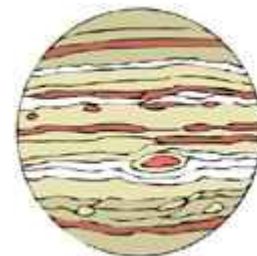
Mars has two small moons, named Phobos and Deimos.

Solar System

Scavenger Hunt

Fact Card #8

Jupiter, the largest planet, has a "Great Red Spot." The red spot is a huge wind storm.



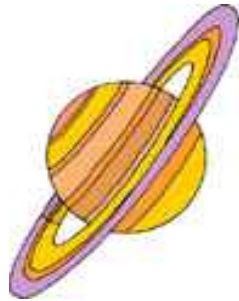
Solar System

Scavenger Hunt

Fact Card #9

Saturn is famous for its bright rings, but it isn't the only planet with rings.

Jupiter, Uranus, and Neptune also have them.



Solar System

Scavenger Hunt

Fact Card #10

Jupiter, Saturn, Uranus, and Neptune are known as "Gas Giants" because they're made of mostly gas.

Solar System

Scavenger Hunt

Fact Card #11



Uranus is the coldest planet in our solar system.

Solar System

Scavenger Hunt

Fact Card #12



Neptune is the stormiest planet. Its wind storms blow three times as fast as hurricanes on Earth.

Solar System

Scavenger Hunt

Fact Card #13

Pluto used to be considered a planet. Scientists decided it was too small to be a "real planet," so it is now a dwarf planet.



Solar System

Scavenger Hunt

Fact Card #14

There are five known dwarf planets in our solar system. Their names are Pluto, Ceres, Haumea, Makemake, and Eris.



Solar System

Scavenger Hunt

Fact Card #15

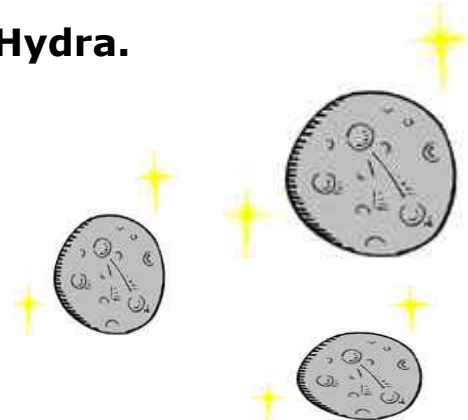
It takes light eight minutes to travel from the sun to Earth. The sunlight you see outside right now, actually left the sun's surface eight minutes ago.

Solar System

Scavenger Hunt

Fact Card #16

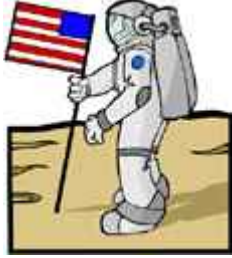
Pluto has three moons. Their names are Charon, Nix, and Hydra.



Solar System

Scavenger Hunt

Fact Card #17



Neil Armstrong and Buzz Aldrin were the first people to walk on the moon.

Solar System

Scavenger Hunt

Fact Card #18

Twelve astronauts have walked on the moon. The first astronaut walked on the moon in 1969. The last astronaut walked on the moon in 1972.

Solar System Scavenger Hunt

Fact Card #1: How far away is the sun?

93-million miles or 146-million kilometers

Fact Card #2: What is the hottest planet?

Venus

Fact Card #3: Which planet has the most volcanoes?

Venus

Fact Card #4: How many stars are in our solar system?

one

Fact Card #5: Name all of the planets people have walked on.

Earth

Fact Card #6: What does a Mars rover do?

Drives around the surface of Mars and takes pictures.

Fact Card #7: Name all of Mars' moons.

Phobos and Deimos

Fact Card #8: What is Jupiter's "Great Red Spot"?

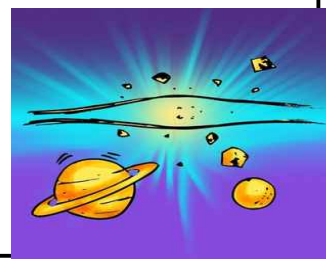
a wind storm

Fact Card #9: Name all of the planets that have rings.

Saturn, Jupiter, Uranus, and Neptune

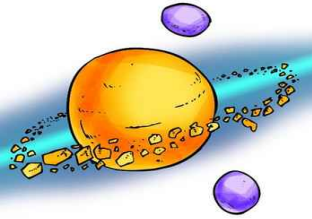
Fact Card #10: Name all four "Gas Giants."

Saturn, Jupiter, Uranus, and Neptune



ANSWER KEY

Side B



Solar System Scavenger Hunt

Fact Card #11: What is the coldest planet in our solar system?

Uranus

Fact Card #12: How fast do winds blow on Neptune's wind storms?

three times as fast as Earth's hurricane winds

Fact Card #13: Why isn't Pluto considered a planet any more?

it's too small

Fact Card #14: Name all five dwarf planets in our solar system.

Pluto, Ceres, Haumea, Makemake, and Eris

Fact Card #15: How long does it take light to travel from the sun to Earth?

8 minutes

Fact Card #16: Name Pluto's three moons.

Charon, Nix, and Hydra

Fact Card #17: What were the names of the first two people to walk on the moon?

Neil Armstrong and Buzz Aldrin

Fact Card #18: When was the last time someone walked on the moon?

1972

