

## The Solar System Internet Scavenger Hunt

Created by Jae Kim and Eric Vu

Instructions: Go to the following websites to find the answer to the following questions. The purpose of the numbers will be described at the end of the activity.

<http://www.seds.org/nineplanets/nineplanets/overview.html>

1) The inner solar system contains what 5 main structures?

\_\_\_ 1 \_\_\_

\_\_\_ \_\_\_ \_\_\_ 2 \_\_\_ \_\_\_ \_\_\_

\_\_\_ \_\_\_ 3 \_\_\_ 4

EARTH

\_\_\_ \_\_\_ 5 \_\_\_

2) What are small, icy objects with highly eccentric orbits?

\_\_\_ 6 \_\_\_ \_\_\_ \_\_\_ \_\_\_

3) The Earth / moon and Pluto / Charon systems are sometimes considered what?

7 \_\_\_ \_\_\_ \_\_\_ \_\_\_ 8

9 \_\_\_ 10 \_\_\_ \_\_\_ 11 \_\_\_

<http://stardate.org/resources/ssguide/>

1) The inner planets mostly consist of what two things?

\_\_\_ 12 \_\_\_ \_\_\_ & 13 14 \_\_\_ \_\_\_ \_\_\_

2) The sun was formed from a what?

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ 15

3) Trillions of comets occupy these two outer regions of the solar system:

\_\_\_ \_\_\_ \_\_\_ 16 \_\_\_ \_\_\_ 17 \_\_\_ \_\_\_

AND

\_\_\_ \_\_\_ 18 \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ 19 \_\_\_

[http://starchild.gsfc.nasa.gov/docs/StarChild/solar\\_system\\_level2/solar\\_system.html](http://starchild.gsfc.nasa.gov/docs/StarChild/solar_system_level2/solar_system.html)

1) The solar system is what in shape?

20    21    22

2) Because it is an object that rotates around a larger primary body, a moon is called what?

A natural 23    24

3) Most of the mass of our solar system is located within what major structure?

25

<http://starchild.gsfc.nasa.gov/docs/StarChild/StarChild.html>

(Hint: You may have to click on several links to find the answers to certain questions!!!)

1) This is the largest planet. In fact, it is so large that all the other planets can fit into it:

26    27    28

2) This is the only inner planet with water on its surface:

29    30

3) This reddish-orange planet has two natural satellites called Phobos and Deimos:

31

4) This planet has a prominent ring system:

32    33    34

5) This planet has large, dark, ovals on its surface, which probably represent hurricane-like storms. Its surface temperature is -245 degrees Celsius.

35    36    37    38

Now match up the numbers of the previous answer blanks to discover a BONUS website:

(note: there are NO spaces and all letters are lowercase)

http://www.17w223811.521214.e78/~h2735/3628o16o4t29  
10s24r12n15263725/23e32m/31o6/203418c!19a33nc3019.13ov

Once you enter the website, choose to "open the file from its current location" and click on "OK"  
(QuickTime player required)

What you are seeing is the Challenger space shuttle. This U.S. space shuttle, carrying seven crew members, including Christa McAuliffe, the first teacher in space, exploded 73 seconds into flight on Jan. 28, 1986. As a result of this explosion, NASA did not send astronauts into space for three years, and redesigned many different parts of the space shuttle. The lessons learned from Challenger have greatly advanced space travel today.

The Mars landing site of the Opportunity rover has been named the Challenger Memorial Station in honor of the Space Shuttle Challenger's final crew.