

Name \_\_\_\_\_

Date \_\_\_\_\_

## Internet Space Scavenger Hunt

Internet address: <http://kids.msfc.nasa.gov/>  
(Link to it under Science on Mrs. Gano's webpage.)

Answer the questions and fill in the blanks below using information you find on the website. Click on the Space & Beyond link (planet with rings) to get answers to your questions.

1. A star is a brilliantly glowing sphere of hot \_\_\_\_\_.
2. A galaxy contains stars and clouds of gas and dust called \_\_\_\_\_.
3. What determines how large a star will become?
4. Will a star's lifecycle be shorter or longer if its mass is greater?
5. Black holes have an enormous \_\_\_\_\_ pull.
6. What is the diameter of the Sun?
7. What star is closest to Earth?
8. A process called \_\_\_\_\_ takes place at the center of stars. Hydrogen turns into helium and creates a lot of energy when this happens.
9. The sun's gravitational pull causes the Earth and other planets to \_\_\_\_\_ the Sun.
10. What type of star is the Sun? a yellow dwarf or medium-sized star
11. The three parts of the interior of the Sun are the \_\_\_\_\_, the \_\_\_\_\_ zone, and the \_\_\_\_\_ zone.
12. The dark spots on the sun are called \_\_\_\_\_.

13. A galaxy is a cluster of stars, dust, and gas that is held together by \_\_\_\_\_.
14. How many kilometers long is a light year (the distance light travels in one year)?
15. What kind of galaxy is shaped like a disk and resembles a pinwheel?
16. The closest galaxy to the Milky Way galaxy (where we live) is \_\_\_\_\_.
17. The inner planets of our solar system are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
18. The \_\_\_\_\_, which is located between Mars and Jupiter, contains thousands of irregular fragments.
19. \_\_\_\_\_ are made of frozen lumps of gas and rock.
20. How many rings have been discovered around Jupiter?
21. It can get as hot as 427 degrees Celsius on Mercury and as cold as \_\_\_\_\_ degrees Celsius.
22. Earth is only a little bit larger than the planet \_\_\_\_\_.
23. If you weigh 85 pounds on Earth, about how much would you weigh on Pluto?
24. Quasars give off enormous amounts of \_\_\_\_\_, more than 100 normal galaxies combined!
25. Write down one more interesting fact that you learned while exploring the NASA Kids website.

## Internet Space Scavenger Hunt Key

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Answer the questions and fill in the blanks below using information you find on the website. Click on the Space & Beyond link (planet with rings) to get answers to your questions.

26. A star is a brilliantly glowing sphere of hot \_\_\_\_\_. gas
27. A galaxy contains stars and clouds of gas and dust called \_\_\_\_\_. Nebulae
28. What determines how large a star will become? The amount of matter that is available for star formation in the nebula determines how large a star becomes.
29. Will a star's lifecycle be shorter or longer if its mass is greater?  
Shorter
30. Black holes have an enormous \_\_\_\_\_ pull.  
Gravitational
31. What is the diameter of the Sun? 1,392,000 km
32. What star is closest to Earth? The Sun
33. A process called \_\_\_\_\_ takes place at the center of stars. Hydrogen turns into helium and creates a lot of energy when this happens. Nuclear fusion
34. The sun's gravitational pull causes the Earth and other planets to \_\_\_\_\_ the Sun. orbit
35. What type of star is the Sun? a yellow dwarf or medium-sized star
36. The three parts of the interior of the Sun are the \_\_\_\_\_, the \_\_\_\_\_ zone, and the \_\_\_\_\_ zone. Core, radiation, convection

37. The dark spots on the sun are called \_\_\_\_\_. Sunspots
38. A galaxy is a cluster of stars, dust, and gas that is held together by \_\_\_\_\_. Gravity
39. How many kilometers long is a light year (the distance light travels in one year)? 9.5 trillion km
40. What kind of galaxy is shaped like a disk and resembles a pinwheel? Spiral
41. The closest galaxy to the Milky Way galaxy (where we live) is \_\_\_\_\_. Andromeda
42. The inner planets of our solar system are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. Mercury, Venus, Earth, Mars
43. The \_\_\_\_\_, which is located between Mars and Jupiter, contains thousands of irregular fragments. Asteroid belt
44. \_\_\_\_\_ are made of frozen lumps of gas and rock. Comets
45. How many rings have been discovered around Jupiter? 3
46. It can get as hot as 427 degrees Celsius on Mercury and as cold as \_\_\_\_\_ degrees Celsius. -183
47. Earth is only a little bit larger than the planet \_\_\_\_\_. Venus
48. If you weigh 85 pounds on Earth, about how much would you weigh on Pluto? 5lb
49. Quasars give off enormous amounts of \_\_\_\_\_, more than 100 normal galaxies combined! Energy
50. Write down one more interesting fact that you learned while exploring the NASA Kids website. Answers will vary