



Name \_\_\_\_\_ Date \_\_\_\_\_



## WEB QUEST

### INTRODUCTION:

During this Web quest you'll learn about some amazing things related to the science of space: **gravity, black holes, and robots.**

#### Gravity

Explore the subject of gravity at <http://spaceplace.nasa.gov/en/kids/orbits2.shtml>, then answer the questions below based on what you find.

- 1 Look at the spinning red ball in the animation. Other than gravity, what force is driving its circular movement?  
\_\_\_\_\_  
\_\_\_\_\_
- 2 According to the article, what might the leaf, nautilus, and flowers that are pictured all have in common?  
\_\_\_\_\_  
\_\_\_\_\_

#### Black Holes

Visit [www.nasa.gov/worldbook/blackhole\\_worldbook.html](http://www.nasa.gov/worldbook/blackhole_worldbook.html) to learn more about black holes, then find the answers to these questions.

- 3 Why can't you see a black hole?  
\_\_\_\_\_  
\_\_\_\_\_
- 4 According to the article, what two things must happen for a black hole to form?  
\_\_\_\_\_  
\_\_\_\_\_

#### Robots

Robots have been helping humans on Earth and in outer space for a long time. Go to [www.nasa.gov/audience/forchildren/home/F\\_NASA\\_Robot\\_Storybook.html](http://www.nasa.gov/audience/forchildren/home/F_NASA_Robot_Storybook.html) and learn all about them. Then locate the answers to the last two questions.

- 5 Name four ways in which scientists use robots:  
\_\_\_\_\_  
\_\_\_\_\_
- 6 Find the names of three robots that are spacecraft and list them here:  
\_\_\_\_\_  
\_\_\_\_\_