# The Moon Over Star

## **RIF EXTENSION ACTIVITIES FOR EDUCATORS**

## THINK-TAC-TOE ACTIVITY OPTIONS

- Individual students can choose an activity to complete.
- Student pairs or cooperative groups can work together on a choice of their own.
- Educators can assign an activity for an individual, pairs or groups.

### WEIGHTY MATTERS

Gravity is much weaker on the moon than on Earth. In fact, on the moon you'd only weigh  $\frac{1}{6}$  of what you weigh on Earth! How much would each of these weigh on the moon:

- a car (4,000 pounds)
- a nickel (5 grams)
- a bar of soap (3 ounces)
- vou!

### MANY MOONS

Earth isn't the only planet in the solar system that has a moon. Find out how many moons each planet has. Show your findings on a bar graph. Which planet has the most moons? The fewest moons? If you wish, draw your favorite planet and show its moons.

#### *Math/Science*

### **EXPLORATION STATION**

Imagine vou're an astronaut exploring a new planet. When you step out of your spaceship, what do you see? Write a story or draw a comic strip about what you find and what happens on your trip to explore a new planet.

Word Smart/Narrative Writing

Math/Science

You've just discovered a new planet! Write a newspaper article

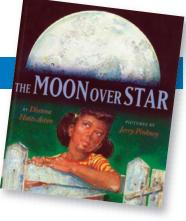
**BRAVE NEW WORLD** 

would it take to reach the moon? (Don't worry, you can use a calculator!)

Word Smart/Informative Writing

illustrate your list.

your dream job. Draw pictures to



WHAT'S IN A NAME?

The planets in our solar system

#### have some strange names. about your discovery. Where is Research the sources of the planets' names and make a vour planet? What's it called? How big is it? Are there any brochure or poster with your aliens living there? Tell us all findings. Be sure to make your about it. Remember that a good brochure or poster colorful and newspaper article has a *headline*. interesting! Science/Math Science/Creative Writing/Word Smart Science/Informative Writing THE MAN IN THE MOON LIKE, YOU KNOW You've probably heard people This story uses a lot of *similes*. talk about "the man in the moon." like saying the stars were "gleaming like spilled sugar." Pretend you are the man (or woman!) in the moon. Are you Similes help writers paint lonely? Bored? How do you feel pictures with words. Write a when astronauts come and land short story describing your on vou? Write a journal entry classroom or vour bedroom at about a day in the life of the home. Use as many similes as (wo)man in the moon. vou can. Be creative! Word Smart/Creative Writing Science/Creative Writing **MEASURING UP** MUCH "TO DO" In the story. Mae says that the Mae wants to be an astronaut moon is 240,000 miles from when she grows up. What do you Earth. How far is that in inches? want to be? Choose a job. What Feet? Measure how tall you are in do workers do who have this job? feet and inches. How many of you Research how to get a job like this. Make a "to do" list of at least stretched out from head to foot 10 things you need to do to get

