



# Teacher Guide

Our resource has been created for ease of use by both **TEACHERS** and **STUDENTS** alike.

## Introduction

**T**his resource provides ready-to-use information and activities for remedial students in grades five to eight. Written to grade using simplified language and vocabulary, science concepts are presented in a way that makes them more accessible to students and easier to understand. Comprised of reading passages, student activities and overhead transparencies, our resource can be used effectively for whole-class, small group and independent work.



**Hands-on activities** are included to further develop students' thinking skills and understanding of the concepts. The **Assessment Rubric** (page 4) is a useful tool for evaluating students' responses to many of the activities in our resource. The **Comprehension Quiz** (page 48) can be used for either a follow-up review or assessment at the completion of the unit.

## PICTURE CUES

Our resource contains three main types of pages, each with a different purpose and use. A **Picture Cue** at the top of each page shows, at a glance, what the page is for.

### Teacher Guide

• Information and tools for the teacher

### Student Handout

• Reproducible worksheets and activities

### Easy Marking™ Answer Key

• Answers for student activities

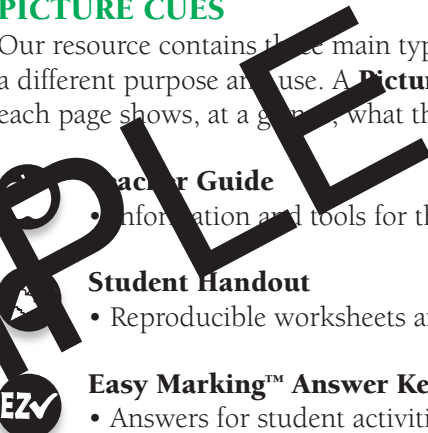
## How Is Our Resource Organized?

### STUDENT HANDOUTS

**Reading passages and activities** (in the form of reproducible worksheets) make up the majority of our resource. The reading passages present important grade-appropriate information and concepts related to the topic. Embedded in each passage are one or more questions that ensure students understand what they have read.

For each reading passage there are **BEFORE YOU READ** activities and **AFTER YOU READ** activities.

- The **BEFORE YOU READ** activities prepare students for reading by setting a purpose for reading. They stimulate background knowledge and experience, and guide students to make connections between what they know and what they will learn. Important concepts and vocabulary are also presented.
- The **AFTER YOU READ** activities check students' comprehension of the concepts presented in the reading passage and extend their learning. Students are asked to give thoughtful consideration of the reading passage through creative and evaluative short-answer questions, research, and extension activities.



**EASY MARKING™ ANSWER KEY**

Marking students' worksheets is fast and easy with this **Answer Key**. Answers are listed in columns – just line up the column with its corresponding worksheet, as shown, and see how every question matches up with its answer!

Every question matches up with its answer!



# The Stars

Answer each question with a complete sentence.

3. Why does the Sun seem so much larger than the other stars, when it is actually a great deal smaller?

---

---

4. What happens to a star that has died?

---

---

5. What is a **supernova**?

---

---

## Research & Extensions

6. When some super giant stars die, they leave behind a **black hole**. You may have heard of black holes in science fiction novels, video games, movies, or on television shows.
- Conduct enough research on black holes using print and/or Internet resources to learn **five** interesting points. Record your five points on the Star Organizer on the next page.
  - Organize your five points into a **paragraph** that explains what a black hole is. Remember to start your paragraph with a topic sentence, then add the details and finish with a concluding statement. Use the Organizer on page 32 to help you.
  - Create a comic strip that includes a black hole in the story line. You will need to think about what kind of action could take place around a black hole, and then create characters and write a plot for your story. Present it as a 3 to 5-section comic strip.

### WEB CONNECTION

To learn more about the Hubble Space Telescope, search the Internet using the words "Hubble telescope". See if you can find pictures of what the sky looks like through the Hubble Space Telescope. Also, look for information on how to make your own telescope!



NAME: \_\_\_\_\_



# Word Search



Find all of the words in the Word Search. Words are written horizontally, vertically, diagonally, and some are even written backwards.

MERCURY  
NEPTUNE  
COMET  
VENUS  
PLUTO  
METEOR  
EARTH

MOON  
METEORITE  
MARS  
ECLIPSE  
SOLAR SYSTEM  
JUPITER  
STARS

RINGS  
SATURN  
CONSTELLATION  
ORBIT  
URANUS  
ASTEROID  
ROTATE

TELESCOPE  
CRATER  
YELLOW DWARF  
GRAVITY  
MAGNETIC FIELD  
GEYSERS  
CRESCENT

SAMPLE

T	N	E	C	S	E	R	C	M	Z	X	C	V	N	M	A	S	
Q	W	E	R	T	Y	U	Y	E	L	L	W	D	W	A	R	F	
Z	S	X	C	V	B	N	S	T	A	S	M	A	S	S	F	G	
W	Q	U	E	R	G	T	Y	E	I	G	D	P	A	S	D	N	
D	Z	X	N	S	R	D	F	G	H	N	J	K	Q	W	R	E	
L	A	S	D	E	A	F	G	H	N	I	K	L	A	U	S	P	
E	Z	X	C	V	B	N	G	A	R	A	S	T	D	F	T		
I	A	S	F	I	R	N	J	Q	S	W	E	A	R	T	Y	U	
F	Z	W	X	O	R	B	I	T	A	S	Z	M	O	O	N		
C	S	D	J	Y	T	G	H	J	E	K	L	W	E	E	R	E	
I	A	Z	X	C	A	D	F	G	R	C	N	Z	T	X	C	V	
T	Q	W	P	L	U	T	O	Z	X	O	O	C	V	S	V	D	F
E	C	L	I	P	S	E	A	S	D	I	M	F	G	Y	Z	X	C
N	Z	X	T	C	V	B	N	M	T	D	E	Q	W	S	E	R	T
G	X	S	E	S	N	M	X	A	T	J	T	L	P	R	L	G	M
A	C	V	R	M	N	K	L	O	U	Y	R	C	R	A	T	E	R
M	Z	A	S	D	M	L	F	G	H	J	K	L	Q	L	W	E	R
Z	X	C	V	B	E	A	S	T	E	L	E	S	C	O	P	E	Y
S	A	D	F	T	R	G	H	J	U	R	A	N	U	S	L	Q	W
Z	X	C	S	A	C	S	G	E	Y	S	E	R	S	D	F	S	X
C	V	N	B	N	U	A	S	D	F	G	H	J	K	L	Z	R	X
Q	O	E	T	I	R	O	E	T	E	M	S	F	H	T	R	A	E
C	S	W	E	R	Y	T	Y	U	I	O	D	G	Q	W	E	M	K

# Phases of the Moon

