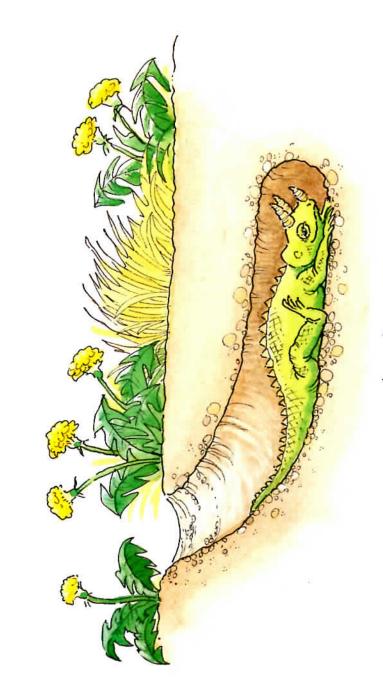


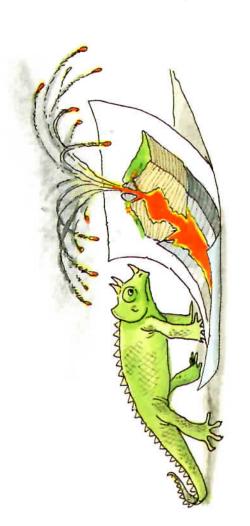
## Inside the Eart Wessie St



[5WS]



### By Joanna Cole Illustrated by Bruce Degen



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o from these huge masses. The small rocks thiat WHERE DO ROCKS O COME FROM ? by Wanda pieces that broke off made of great masses part of the earth is we collect are just Most of the solid of rock. ATE A ROCK? YOUR POG I FOUND ONE, BUT MY DOG almost everyone had ATE IT. But the next day, some excuse. I COULDN'T FIND ANY ROCKS.



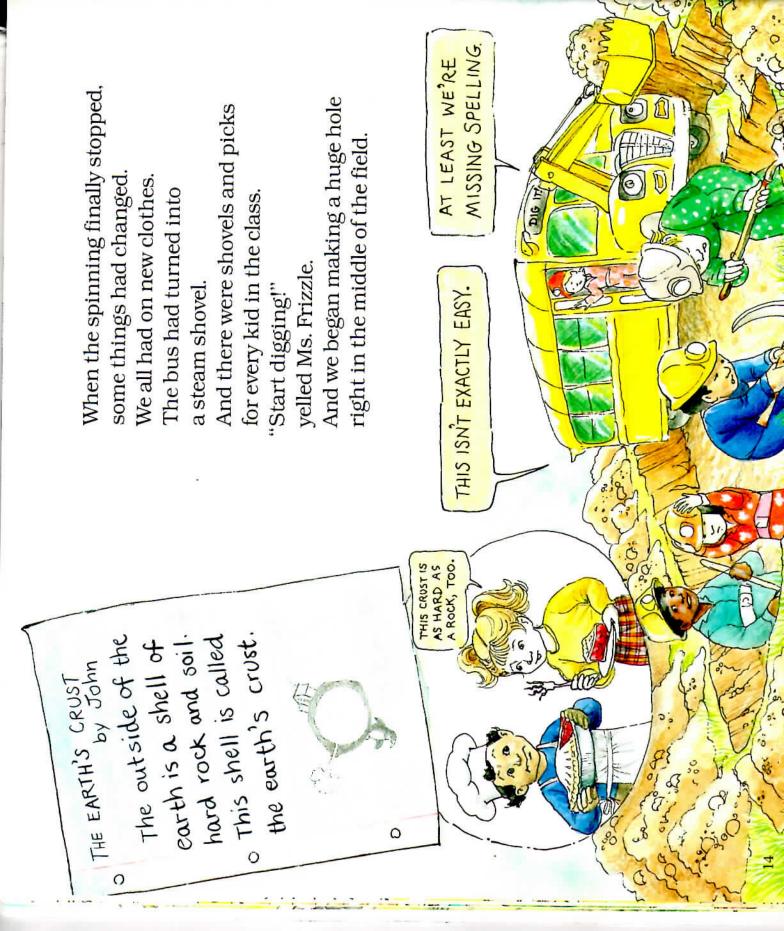




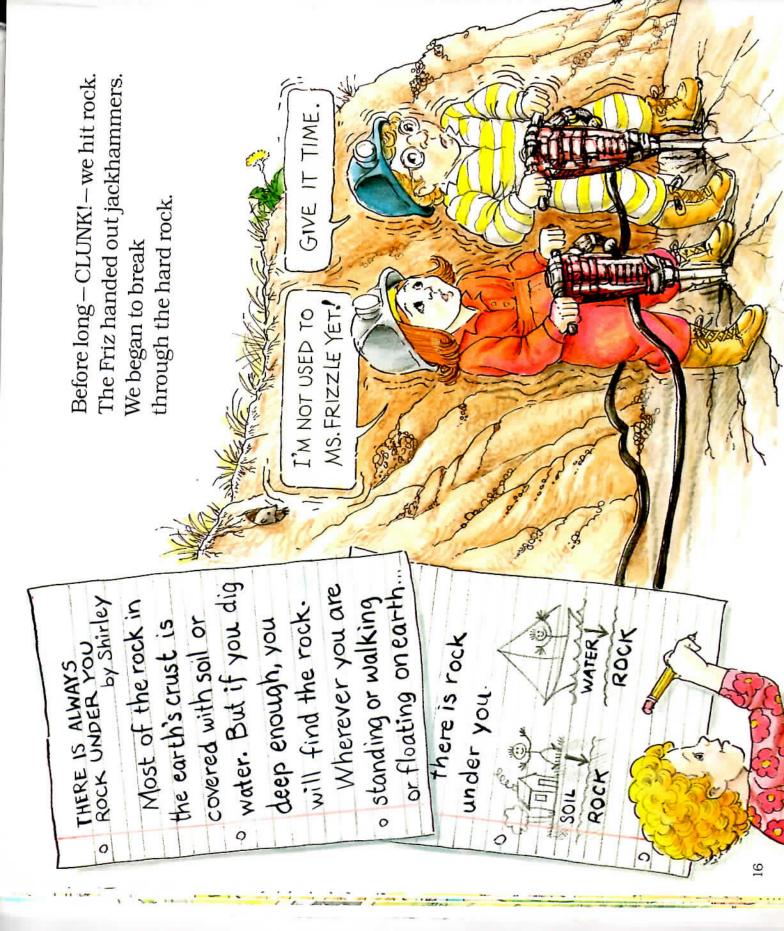
That sort of thing doesn't happen the bus began to spin like a top. When we came to the field, to get out of the bus. on most class trips. all the kids wanted But suddenly,

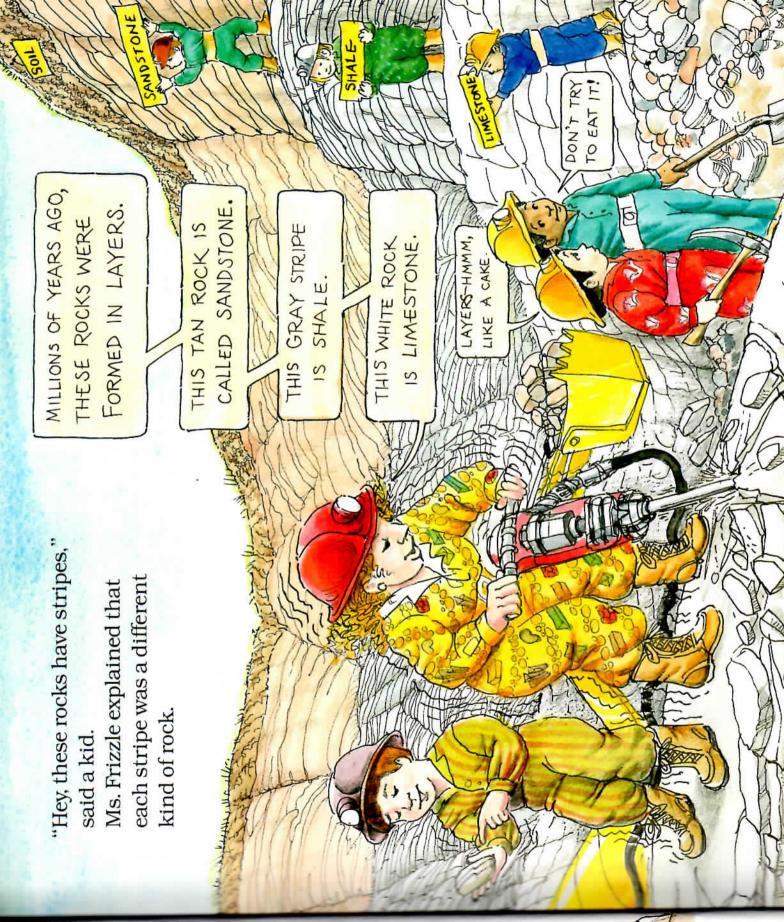
COLLECT ROCKS? WHEN CAN WE MS. FRIZZLE, SEAT BELTS, FASTEN THOSE CHILDREN.











HOW ROCK LAYERS

WERE FORMED

WERE FORMED

MOIly

We chipped off pieces of the rocks

for our class rock collection.

"These rocks are called

sedimentary rocks, class,"

in sedimentary rocks."

"There are often fossils

said Ms. Frizzle.

Millions of years ago, wind blew dust and sand into lakes and oceans.
The dust and sand

settled to the bottom in layers called sediment.
Seashells formed layers
o of sediment, too.

Over time, the layers hardened into the sedimentary rack we see today.

SHALE IS MADE OF

MUD AND CLAY
ALL PRESSED TOGETHER.

SANDSTONE IS MADE

OF GRAINS OF SAND

ALL PRESSED TOGETHER:

A FOSSIL OF A LEAF IN IT.

SANDSTONE

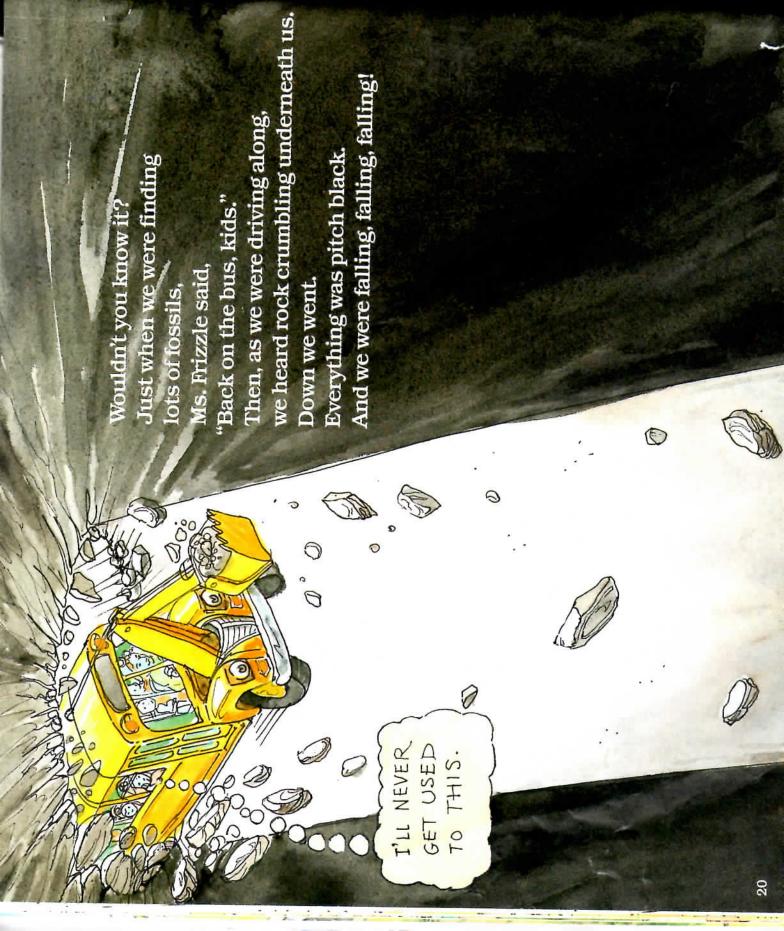
GRAINY.

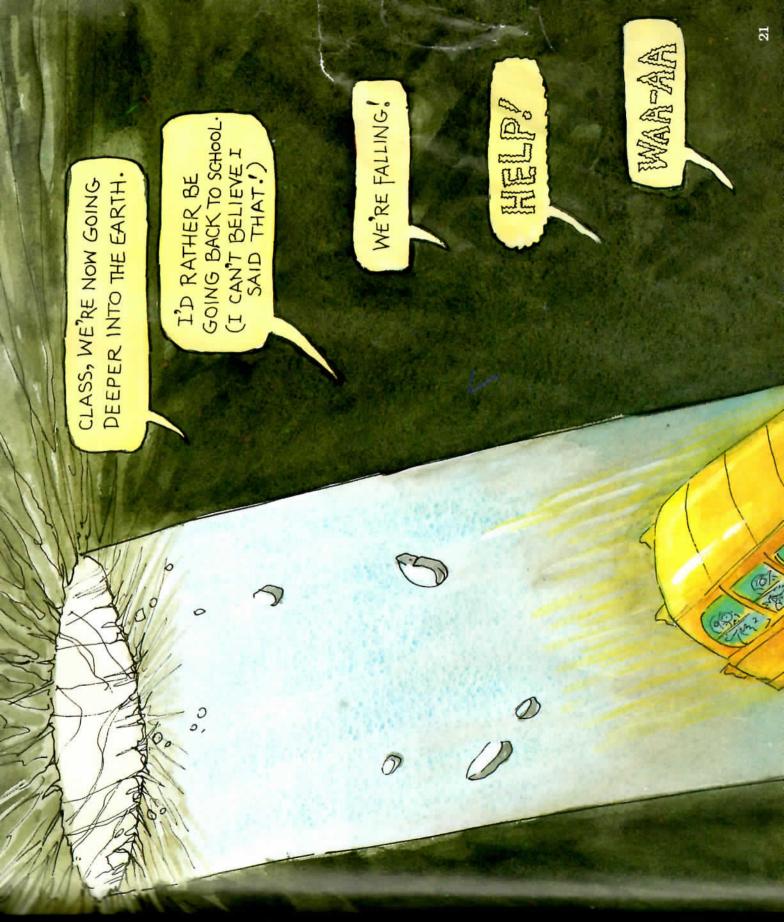
FEELS

AN EARTH SCIENCE WORD
by Dorothy Ann
Sedimentary comes
from a word that
from a word that
means "to settle"

0











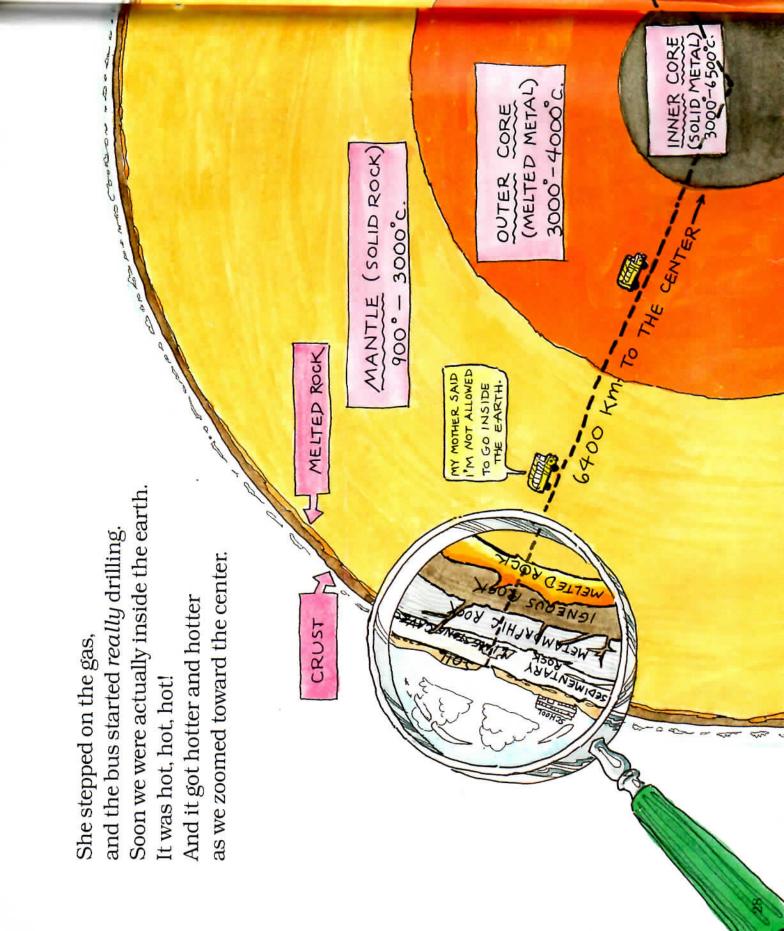


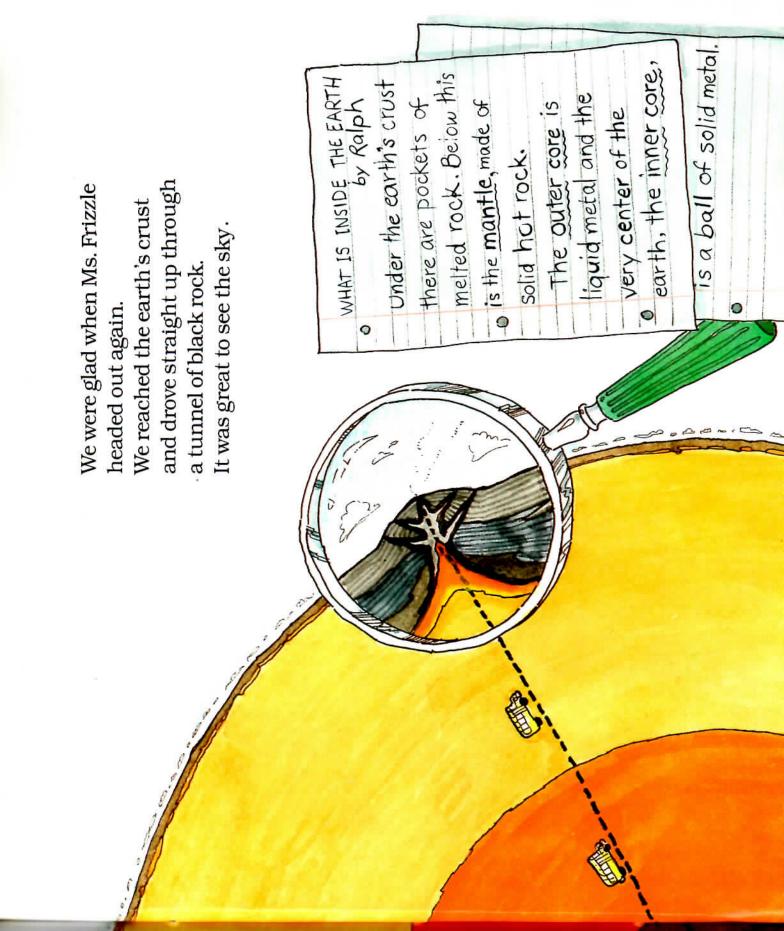


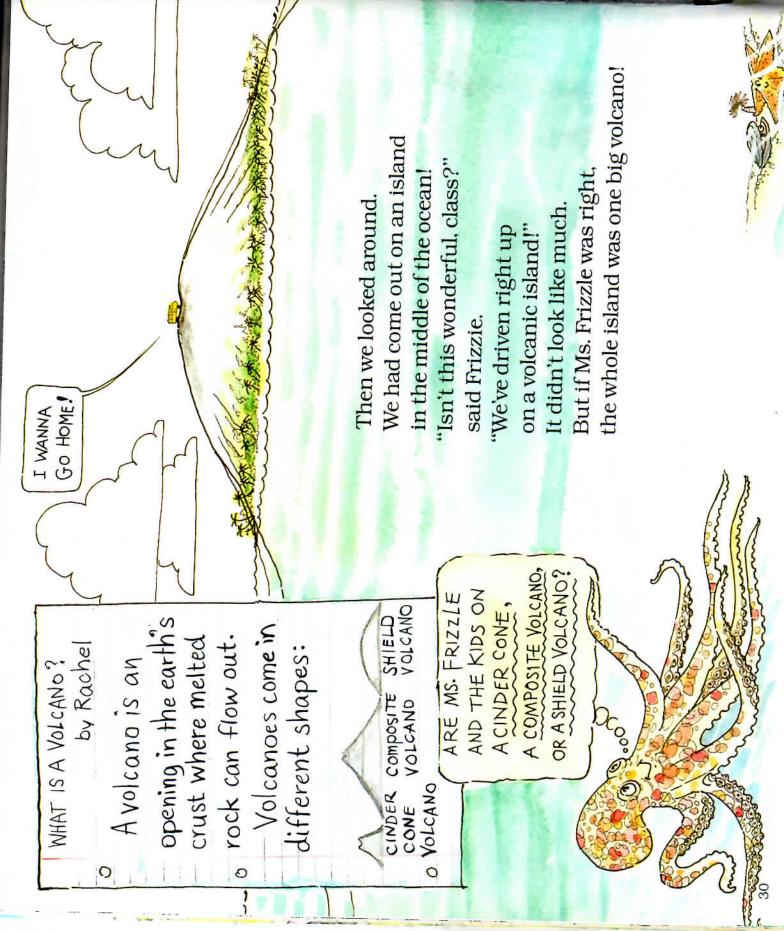


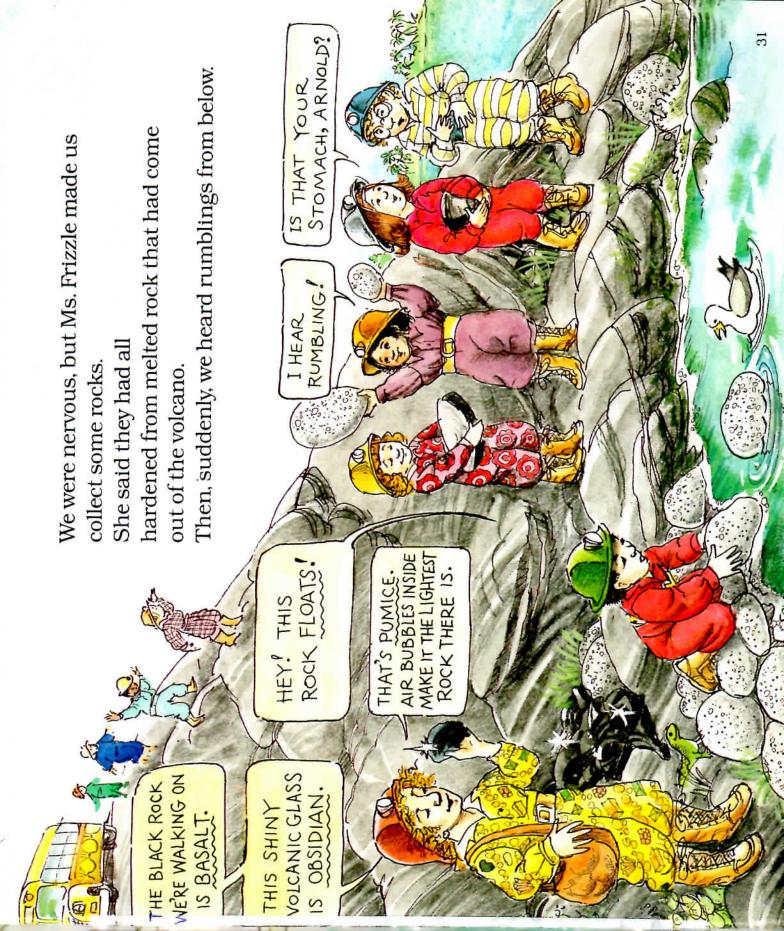


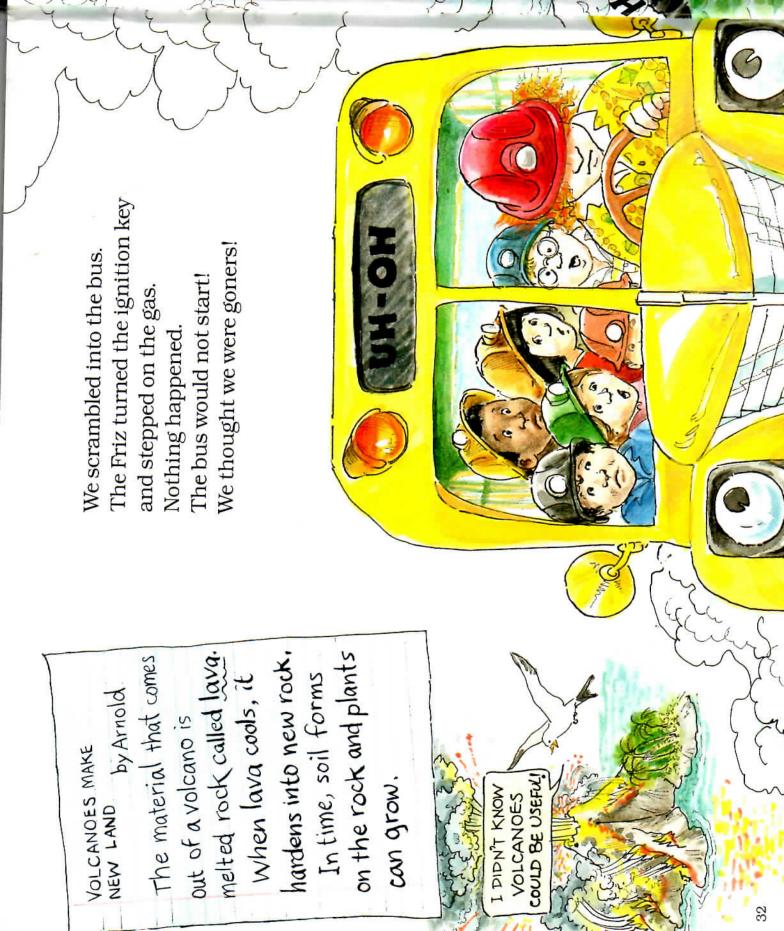


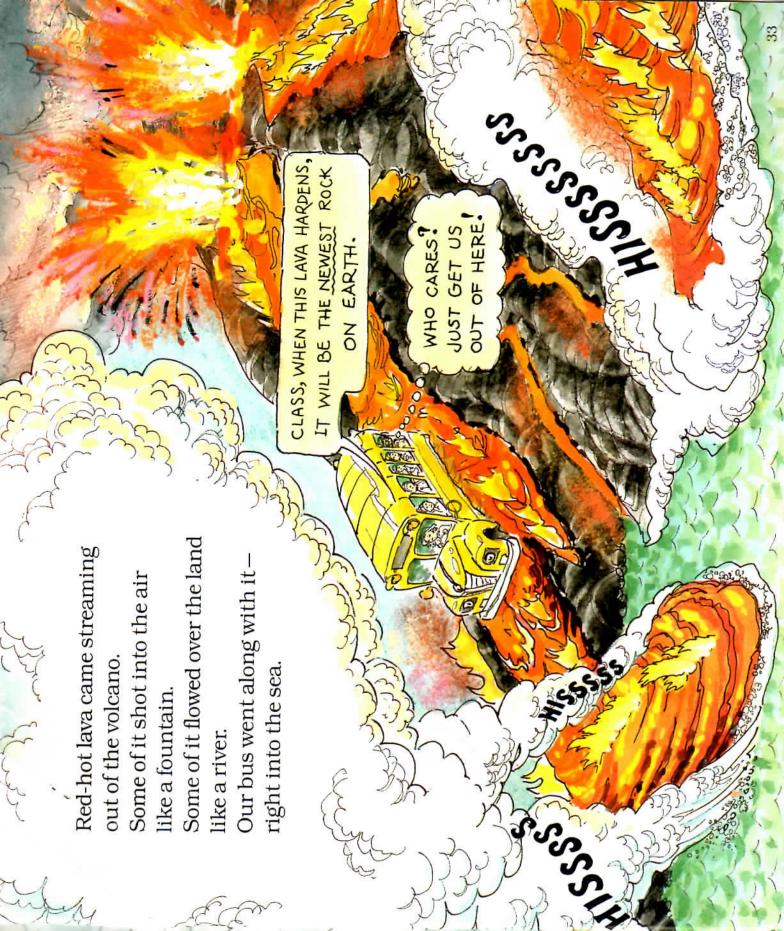


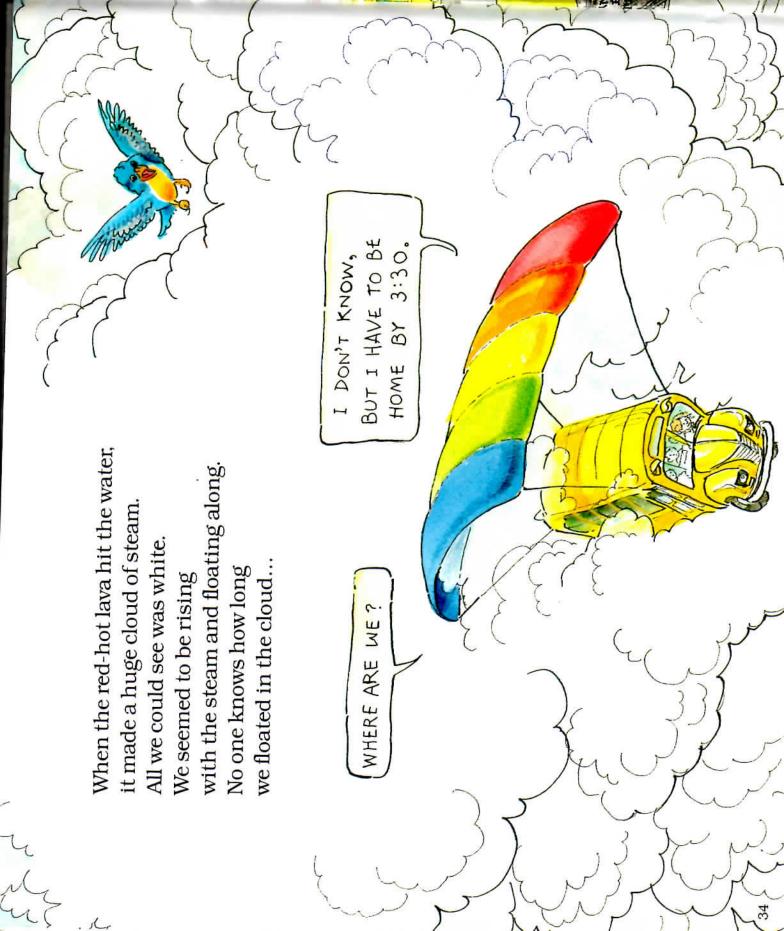
















# Rock Collection

### by MS. FRIZZLE'S CLASS

A ROCK! I'M NOT HEY!



GRANITE Wanda's rock



TYPE: Igneous

(formed by mud) USES: Ground up and

TYPE: Metamorphic

(formed from shale) USES: Roofing tile,

buildings, Curbstones USES: Monuments,



mixed with limestone

or cement, brick

flagstones, chalkboards

JOHN'S rock

SLATE



Florrie's rock

Rachel's rock

OBSIDIAN

PUMICE



Scouring powder (Volcanie) USES: Ground-up in TYPE: Igneous

Amanda Jane's rock SHIRLEY'S ROCK LINESTO ZA



(formed from limestone TYPE: Metamorphic USES: Statues,

(formed from shells)

USES: Buildings, chalk, cement,

fertilizer

YPE: Sedimentary

monuments, buildings

SANDSTONE Michael's rock



TYPE: Sedimentary grindstones (formed by sand) USES: Buildings,

**QUARTZITE** Phil's rock



TYPE: Metamorphic USES: Milistones for sand stone, (formed from

grinding grain, road building

MOLLY'S rock

BASALT

TYPE: Igneous (Volcanic)

USES: Road Building

Indian Arrowheads

USES: Decoration,

TYPE: Igneous

(Volcanic)



# A WORD WITH THE AUTHOR AND THE ARTIST

The first reader of this book called to complain. He said the book decide which things are true and which were put in to make the was full of mistakes. We recorded the conversation to help you story more exciting.

READER: This book is full of mistakes!

AUTHOR: It is not!

ARTIST: Everything in this book is absolutely true and really happened.

READER: What about the beaver lodge on page 7?

AUTHOR: Oh, that. Well, I guess that would be too messy in a real classroom.

READER: And the beehive?

ARTIST: That, too. But everything else is fact.

READER: Oh, come on! You mean kids can use jackhammers (page 16), and a

bus can change into a steam shovel (page 14) and a drill (page 23)?

READER: And do you expect me to believe that a bus can go through the center AUTHOR: Well, er, now that you mention it, that is not really possible. of the earth (page 28)?

ARTIST: Yes....

AUTHOR: Maybe....

ARTIST: Well, actually, no. The bus couldn't do that, either.

LA A A A RARE A DESCRIPTION OF A RAP A SON CONTROL OF THE SON OF T

AUTHOR: Even if a bus could drill its way through, the distance is so long that the trip would take months, even years.

READER: And what about the heat?

AUTHOR: Okay, okay! It's white-hot in the center of the earth. The bus would be burned up in a minute.

READER: Isn't it kind of ridiculous to say that air-conditioning would help?

AUTHOR: Gee, you're a tough cookie! Okay, you're right. Air-conditioning could not make any difference in that kind of heat.

READER: And the bus could not flow in lava and go up in a cloud of steam

ARTIST: Give us a break! You're right again. That's not true, either (pages 33-34)?

READER: But you said everything was true!

AUTHOR: Everything else is. Honest!

READER: Everything else is true? There truly are sedimentary, metamorphic, and igneous rocks?

AUTHOR: Certainly!

READER: And lava really does harden into new rock?

ARTIST: Oh, yes.

READER: And what about Ms. Frizzle's clothing?

AUTHOR: That is hard to believe, but it's true.

ARTIST: She really does dress that way!

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