



Preface 9

The Wonder of Me! 10

Ah-Choo! Why do we sneeze? How come I'm ticklish? Freckles and why we have them "Can I Grow Freckles?" Why does my shadow change size? "Hide and Seek Shadow" *Simple Science: How do shadows change?* Why does hair keep growing? *Simple Science: How does moisture change your hair?* Keep on dreaming—why do we do it?

Down to Earth Wonders 50

Why can't we feel the earth spin? Why do days get longer and shorter? "Maui Tames the Sun" What good is dirt? How did soil form? What happens if you keep on digging? Mighty mountains: Why are you here? Why do volcanoes erupt? *Simple Science: How does a volcano erupt?* Why do we have earthquakes? "Sea Wave" Why do oceans and lakes have waves? What is the ocean floor like? How can you clean an ocean? *Simple science: What happens to oil in water?*

Space Wonders 104

"Questions at Night" Why does the sky look blue? *Simple Science: How does sunlight separate?* Why do astronauts float? "Why the Sun and the Moon Live in the Sky" What's an eclipse? *Simple Science: How can the moon block out the sun?* Is anyone out there?

Weather Wonders 132

Why do clouds look different? “Clouds” Why is it raining?
snowing? hailing? *Simple Science: How is rain made?*
Thunder and lightning “Why There Are Four Seasons
in the Year” Why is it hotter or colder in some places?
“Rainbows” The true story of rainbows Hurricanes and
tornadoes: Be alert! *Simple Science: How do winds change?*
Frost on the window

Wondrous Creatures 172

“To the Skeleton of a Dinosaur in the Museum”
Any new news about dinosaurs? *Simple Science:*
How are fossils made? “When All the World’s Asleep”
Little lanterns: How do fireflies light up? Bug noise: What
makes crickets chirp? Why don’t spiders get stuck in
their webs? *Simple Science: How does a spider spin an*
orb web? Where are the baby squirrels and pigeons?
How can animals hibernate so long? “Why the Bear Sleeps
All Winter” How can fish breathe? Do fish ever sleep?

Green Wonders 208

Where do the leaves go? *Simple Science: How does composting work?* Why don't trees die in winter?
What makes wild plants wild? "Wild Strawberries"
What is bark for? Why do some flowers smell sweet?
Simple Science: How does water travel up plants?
Mold: Plant or animal? "Is It Alive?"

Answers to "I Wonder What This Is." 242

Books to Read 245

New Words 247

Illustration Acknowledgments 250

Index 251

