

# EXPLORE AND PROTECT THE EARTH AND ITS CREATURES

"All the members of this endless universe are linked one to another." —Bahá'í Writings

WE  
ARE  
ONE

## EARTH-SAVING TIP

### Love your leftovers!

Leftovers are the largest source of food waste in American homes. Eating your leftovers saves time, effort, and money while helping to save the planet.

## WOW, REALLY?

A typical fluffy white cumulus cloud actually weighs about 1.1 million pounds (500,000 kg). That's as heavy as 750 cows!



## OUR CONNECTIONS

What do weather forecasts and math have in common? A lot! Temperature, air pressure, and wind speed numbers come from weather stations worldwide.

Weather balloons collect data in the atmosphere. Satellites orbiting the planet measure precipitation.

Then supercomputers use the information in billions of math calculations every *second* to create forecasts. Comparing past and present data shows how the climate is changing.



## PROTECTING OUR PLANET

**Dr. J. Marshall Shepherd** is an award-winning professor and climate scientist in Georgia who started predicting weather when he was in sixth grade. He developed a NASA satellite that studies rainfall. He says understanding climate change isn't a "scientific issue far off in the future; this is about our life right now."



## WHERE IN THE WORLD?



Millions of girls and women haul heavy loads of water each day—some up to 12 miles (19 km). In Earth's second most populated country, this land of sand dunes is dry and barren. *Unscramble the letters to find its name:*

GRTEA DNIAN ERTSDE



## AMAZING ANIMALS



Massive herds of hooved animals circle the vast Serengeti plains of Tanzania and Kenya. It's the world's largest mammal migration. These two species travel together, eating different parts of the grass. *Fill in the blanks to find their names:*

ILDE EE T and ERA