

# E is for Earthworm

An A-Z Guide




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## An A-Z Guide

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Kindergarten Class



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The illustrations in this book were executed with collage and mixed media.  
The text was set in 18 point Gills Sans.

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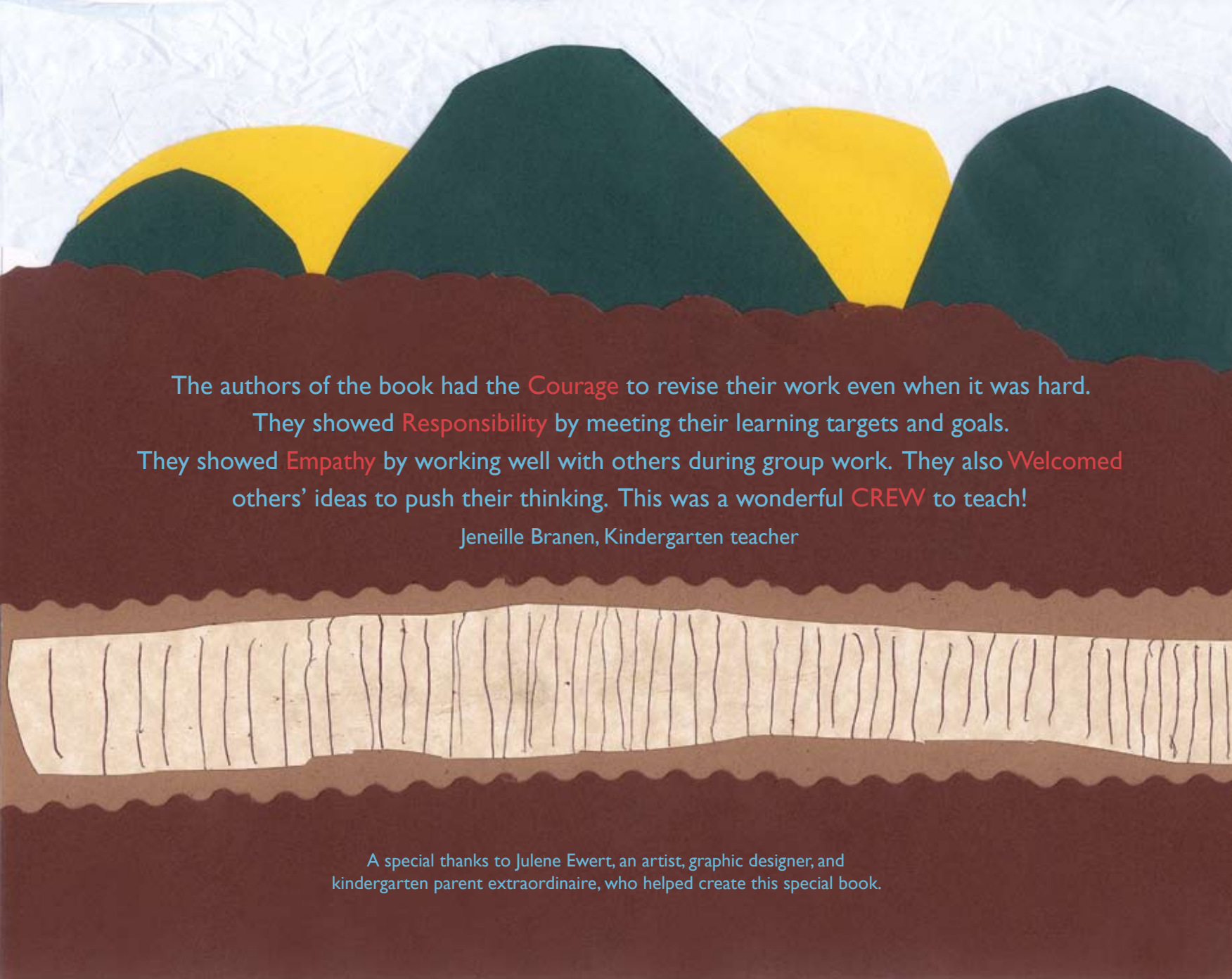
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First Edition

Palouse Prairie School  
E is for Earthworms  
An A-Z Guide

Summary: An ABC book about earthworms.

ISBN 978-1-257-07489-1



The authors of the book had the **Courage** to revise their work even when it was hard.  
They showed **Responsibility** by meeting their learning targets and goals.  
They showed **Empathy** by working well with others during group work. They also **Welcomed**  
others' ideas to push their thinking. This was a wonderful **CREW** to teach!

Jeneille Branen, Kindergarten teacher

A special thanks to Julene Ewert, an artist, graphic designer, and kindergarten parent extraordinaire, who helped create this special book.

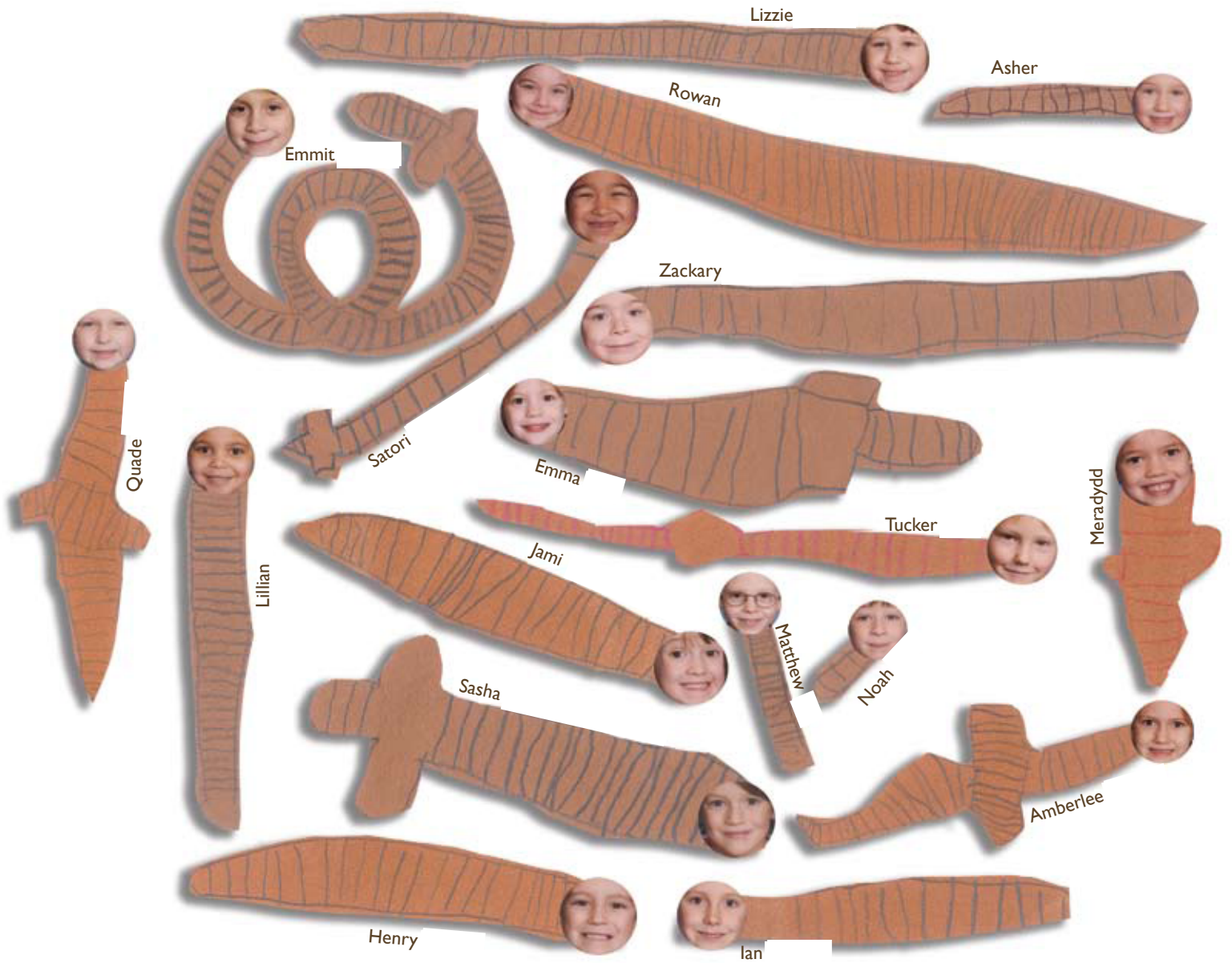
## About the Authors

The kindergarten class at Palouse Prairie School of Expeditionary Learning embarked on a three month expedition on earthworms. Throughout this expedition, the students learned about the habitat of earthworms.

They built habitats in the class and made scientific observations and conducted experiments. They also visited an expert at the University of Idaho, Dr. Jodi Johnson-Maynard to learn more about worms. They studied the art collage of Eric Carle, Lois Ehlert and Ashley Wolff and made several revisions on their ABC letter. The students worked hard knowing they would be sharing their knowledge with the world.

Please enjoy their book and hard work.





Lizzie

Asher

Emmitt

Rowan

Zackary

Quade

Satori

Emma

Tucker

Meradyddd

Lillian

Jami

Mathew

Noah

Sasha

Amberlee

Henry

Ian



**is for  
Animal Kingdom**

Worms are a member of the animal kingdom, just like you and me.





**B**  
**is for**  
**Burrows**



Burrows are tunnels worms make along the way.

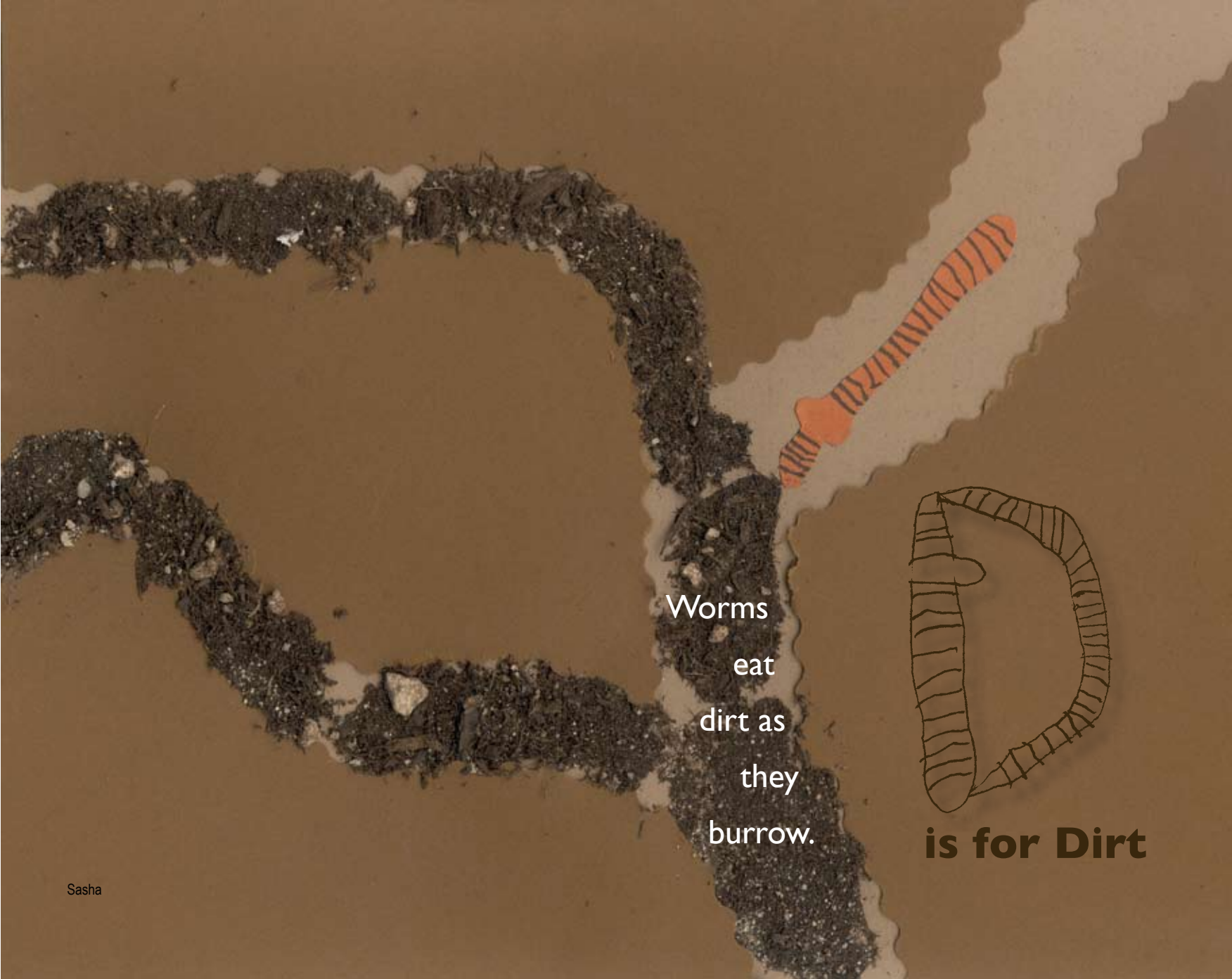




**is for Castings**

Castings are  
the poop  
from an  
earthworm  
that is good  
for plants.





Worms  
eat  
dirt as  
they  
burrow.

**is for Dirt**

is for Earthworms

Earthworms are wonderful and

important to plants

and us all.



is for **Five** hearts



A human has  
one heart, but  
earthworms  
have **five**.



The gizzard is the worm's stomach that shreds up the food.



**is for Gizzard**



# is for Habitat

Worms  
need food,  
water,

shelter  
and space  
to survive.



**is for Idaho**

*Idaho is where the Giant Palouse Earthworm lives.*





**is for Jodi Johnson-Maynard**

Dr. Jodi Johnson-Maynard is a soil scientist that studies the Giant Palouse Earthworm in Idaho.





is for Kind and Caring



If you see an earthworm on the sidewalk after a rain,

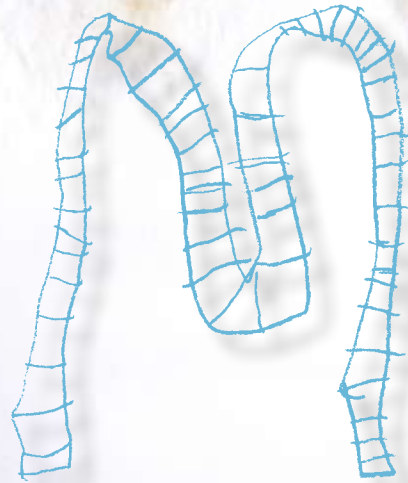


pick it up and place it in the grass.



**is for Leaves**

Leaves  
are an  
earthworm's  
favorite food.



**is for Moist**

Worms  
need to be  
moist to live  
and breathe.



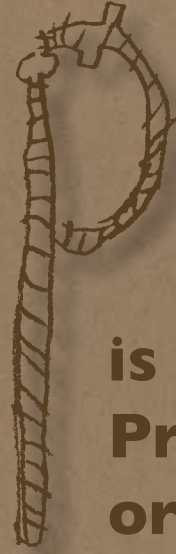
*Castings bring nutrients to plants.*



**is for Nutrients**

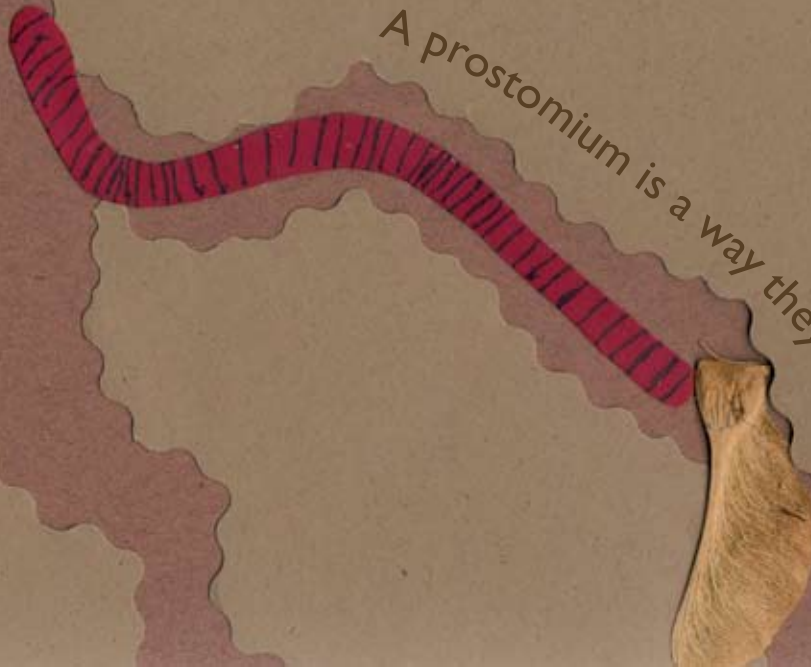
is for Oxygen

Earthworms breathe oxygen through their skin.



**is for  
Prostomium  
or Mouth Pad**

*A prostomium is a way they get food.*





is for  
quickly



Worms move quickly when they sense danger.





Red Wigglers are  
a special worm  
that can live in  
worm bins.



is for **Red Wigglers**

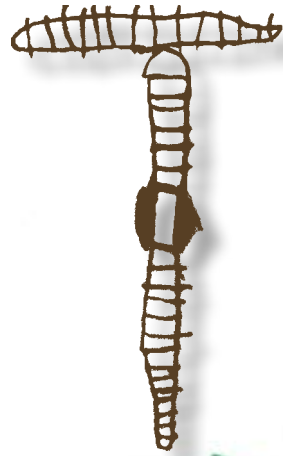




## is for Segments

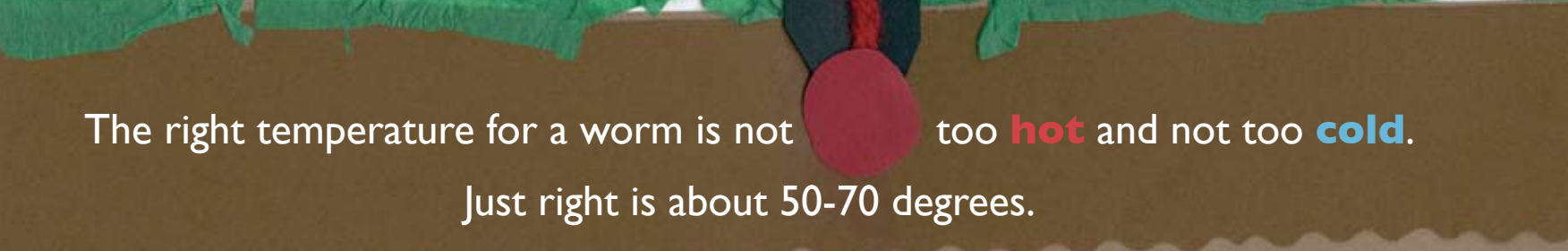
Segments are the  
lines on the worm's body  
that help them **stretch**  
as they move.





50°

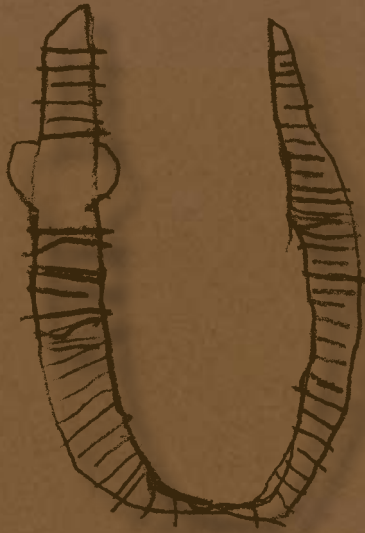
is for  
Temperature



The right temperature for a worm is not too **hot** and not too **cold**.

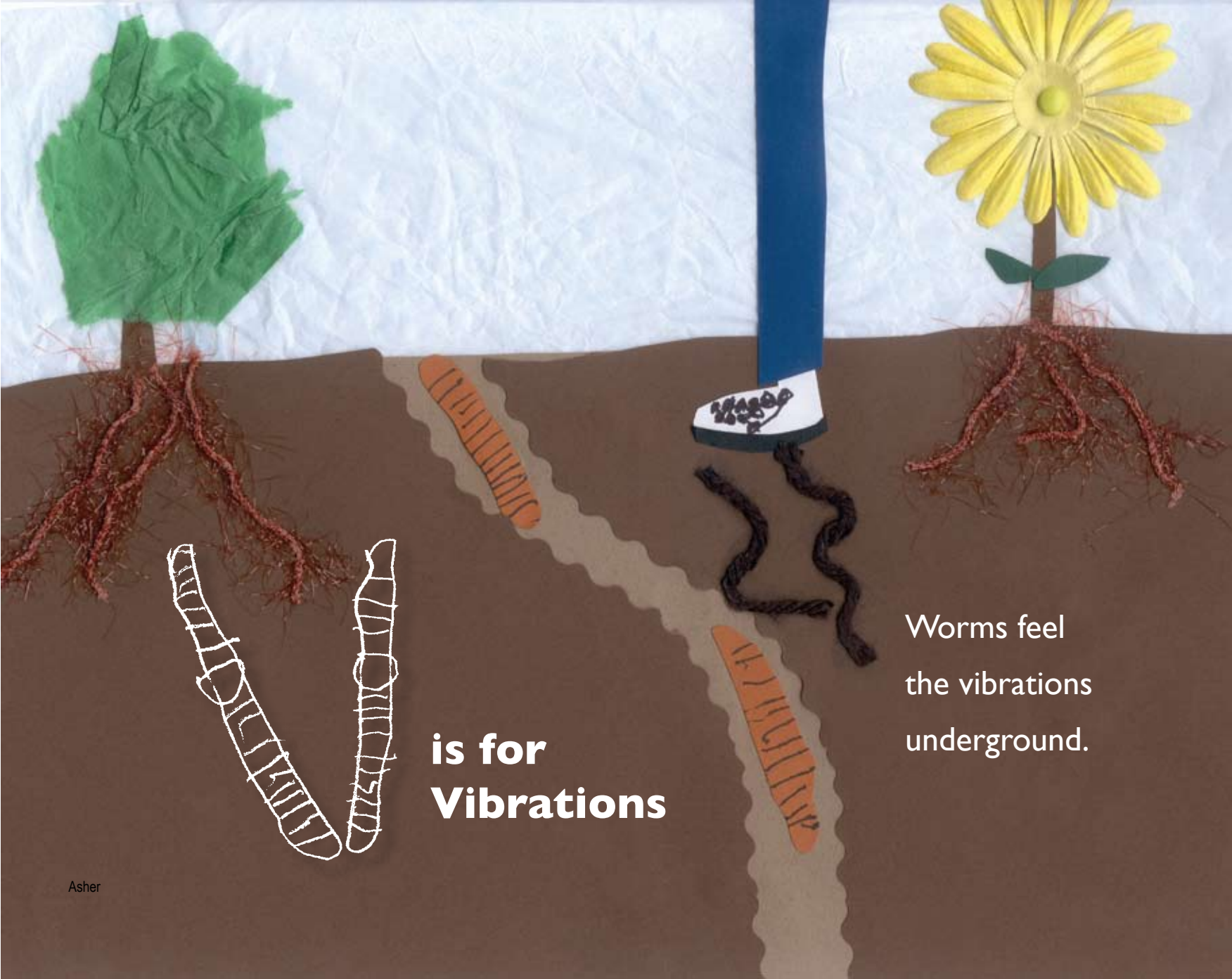
Just right is about 50-70 degrees.





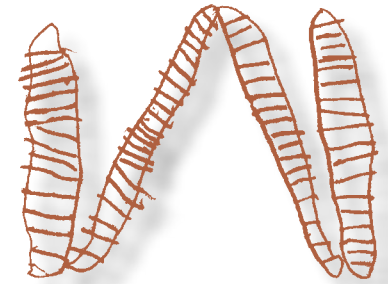
**is for  
Underground**

Underground  
is where  
a worm  
lives and  
it allows  
the worm  
to burrow  
**deep**  
when the  
weather turns  
cold.



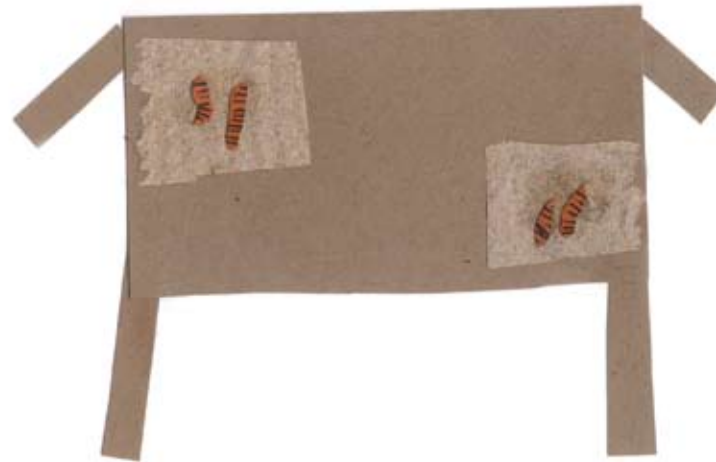
**is for  
Vibrations**

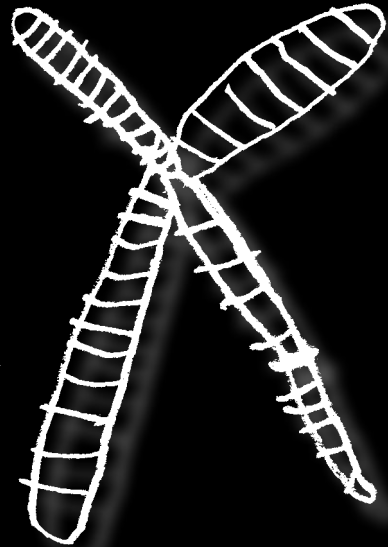
Worms feel  
the vibrations  
underground.



## is for Wormologist

A wormologist is a scientist who studies worms.





**is for X-Ray**

A worm's x-ray would  
show **no bones.**

# is for Yearly



Earthworms travel about 30 feet in a year.





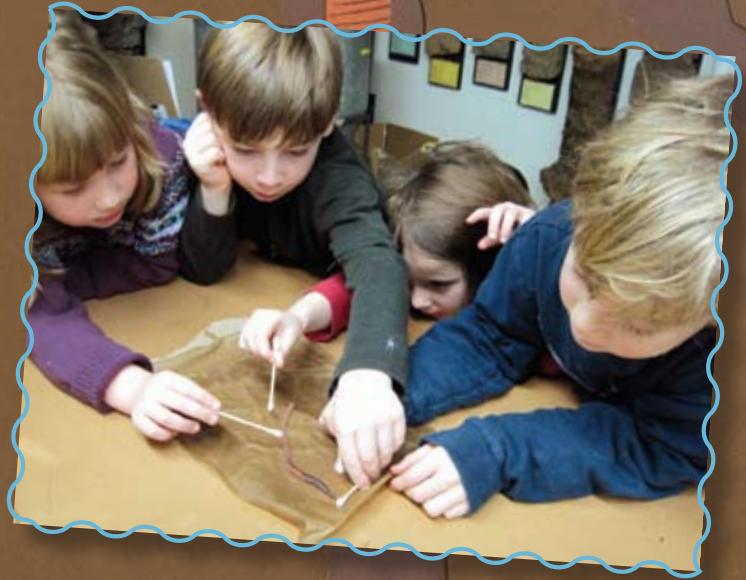
## is for **Z**ero Waste

Feed your left over fruits and vegetables to a worm instead of putting it into the trash.





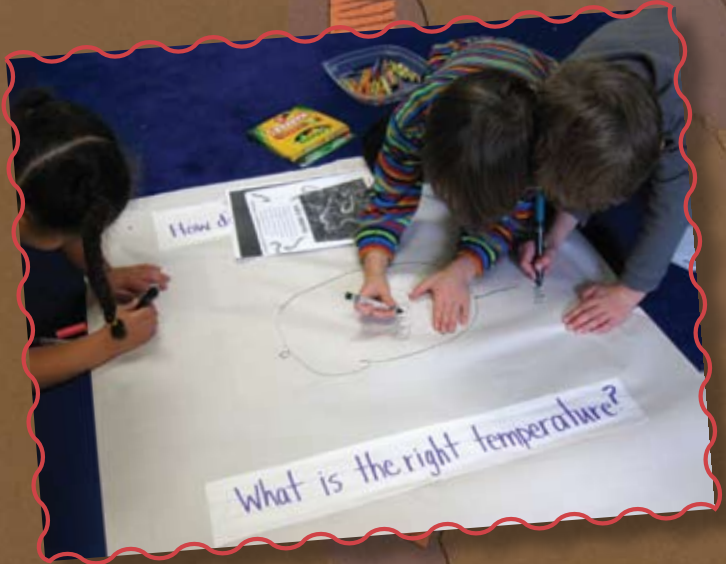
Young scientists study  
the earthworm.





Students are becoming experts in one area of habitat.





Students building the habitats.



The students read with a purpose to answer questions they had throughout the semester.



Digging for worms to create  
our classroom wormbin.



# WORMS



This book is a product of a learning expedition on earthworms.

Following an in-depth study of these amazing creatures, the students set out to write a book that would detail all of the things they learned. The book is in the form of collage. Students studied illustrators that use collage and took inspiration from these artists. They worked hard on their handwriting skills and revised their ABC letter to make it high quality. Words were transcribed from student to teacher. Please enjoy the hard work of 18 creative students.

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