COLUMBIA RIVER

1792 MARINE DR • ASTORIA



The world just wouldn't be the same without worms.



While we are quiet and shy, we are good to have around. We don't have eyes, ears or legs, yet we provide an important service.



Worms are master recyclers!

Yum! Love that Garbage!

Garbage is for worms! You might think

it is gross, but certain kinds of worms think garbage is yummy. Instead of

tossing leftover salad, melon peels and

apple cores into the trash or disposal,

build a worm bin and start raising

worms to eat your garbage.

As earthworms burrow or dig into the ground, they swallow soil. They eat rotting plants and leaves. As

this debris passes through the worm's body, it is ground up by tiny stones in the worm's gizzard and leaves the body as waste.

Add up the numbers This waste is called to discover each worm **castings**. Castings are dark and fertile and enrich the soil. Each day an earthworm produces its weight in castings. That's a lot of recycling!

How long was the longest earthworm ever found? 9 + 6 + 7 =feet

How many different kinds of earthworms are there? 300 + 700 + 800 =

How strong are earthworms? They can push things up to 3+3+4=their own weight. That would be like you being able to push four refrigerators at one time!

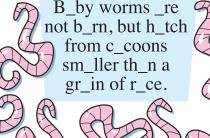
answer.

Standards Link: Number Sense: Solve addition problems

Amazing Worm Facts

Replace the missing vowels to learn more about earthworms.

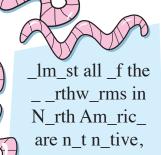
Puzzler A 24



An _arthw_rm br ath s thro gh its sk_n and has f_ve h_ _rts.

Th_re ar_ e_rthw_rms

verywh_re except d_s_rts and p_les. n one _cre, th_re can be m_re than a m ll on e rthw rms.



but w_re intr_d_ced fr_m the Id W

Now You See It Scientists must be

observant, watching things very carefully. Try this game to

1. With a partner, pick a newspaper picture.

2. Cover the picture and write down everything

Standards Link: Science/Investigation: Follow instructions for an investigation

improve your powers of observation.

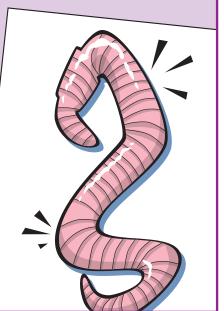
Study it for one minute.

you remember about it. Who can remember the most details?

Scratchy Worms

hear an earthworm move?

cience/Investigation:



DISPOSAL **GARBAGE SERVICE STRONG DEBRIS STONES BURROW** WASTE **WORMS GROSS COVER** SOIL

DARK

DIG

How many of them can you find on this page?

WKOGNORTSN DRSIRBEDRD EAELRGCSEI WDIVAIYETS FOUBODCNSP SERVICEOAO LAWMORRTWS GMWOSGSSRA WORRUBLDSL

Standards Link: Letter sequencing. Recognize identical words. Skim and scan reading. Recall spelling patterns.

Standards Link: Life Science: Know that all organisms cause changes in their environments and these can be beneficial or detrimental.

RECYCLERS

Find the words in the puzzle.

nouble

Do you think you can

If you put an earthworm on a clean, dry sheet of paper and listen very carefully, you will hear a little scratching noise. This noise is made by the eight small bristles an earthworm has on nearly every segment of its body. These bristles help earthworms move.

Standards Link: Follow instructions for an investigation.



Look through the newspaper for names and

Standards Link: Research: Students use the newspaper to

RIDDLE RHYMES

FARMER'S **HELPS PLANTS DEDICATED** ALL MY **GROW BIGGER!** FRIEND CHEWING DIGGER What am I? ANSWER: An earthworm.

Recycle Poster

addresses of agencies involved in recycling. Make a poster encouraging students to recycle and list where different items can be recycled. Post this in your school.













- Bridgewater Bistro Chinook Marine
- **Repair Shop** Randall Lees
- Flooring America Red Dwarf Graphx
- Seaside Visitors Bureau













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ADJUSTABLEBEDS

