



Power Vocabulary



Earth

WHAT IS POWER VOCABULARY?

Power Vocabulary is a systematic and individualized approach to vocabulary development that enables teachers to assist students to improve their reading comprehension skills. Power Vocabulary consists of two word groups—specialized and general-usage words.

Specialized words label concepts that support subject matter. These words are the technical vocabulary of a content area that is used in a particular area. In science, specialized words include *biodiversity* and *predator*. In history, specialized words include *hieroglyphic* and *chariot*. Specialized vocabulary also includes words we use every day that take on specialized meanings in a particular content area. For example, the word *bill* takes on different meanings when we talk about money (dollar bill or electric bill) than when we talk about government (a bill that becomes an act or a law).

General-usage words are the words that have widely acknowledged meanings and that hold the content of a passage together. These words are selected because some readers may not be familiar with them. Examples of general-usage words are *morose* and *diligent*.

Fifteen Power Vocabulary words have been identified for this **KIDS DISCOVER** title. Use the word cards or select a few blackline masters to preview the vocabulary words to help students be more confident and read more fluently as they read these words in context. Or use the cards or masters to review words after students have read **KIDS DISCOVER**.



PAGES IN THIS POWER VOCABULARY BOOKLET

- **1 What Is Power Vocabulary?**
How are the 15 Power Vocabulary words selected from this KIDS DISCOVER title and why should students know them?
- **2 Word Card Activity Ideas**
A variety of teaching strategies and great activities students can do with the word cards on pages 3–6.
- **3–6 Word Cards**
Students can cut out and use these cards to learn more about the 15 Power Vocabulary words.
- **7–8 Dictionary List**
View the 15 Power Vocabulary words with definitions in one list.
- **9 Crossword Puzzle** ...
In this crossword, the definitions are the clues and the Power Vocabulary words are the answers.
- **10 Word Find**
Students can focus on the spellings of the Power Vocabulary words with this word find—plus solve a hidden message!
- **11 Matching**
Students will match each Power Vocabulary word with its definition.
- **12 Sentences**
Students will complete each sentence with a Power Vocabulary word.
- **13–16 Answer Keys** ...
Answer keys for the crossword puzzle, word search, matching, and sentences blackline masters.



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adaptable

(uh-**dap**-tuh-buhl)

adjective



KIDS DISCOVER *Earth*

collide

(kuh-**lyd**)

verb



KIDS DISCOVER *Earth*

conserve

(kuhn-**surv**)

verb



KIDS DISCOVER *Earth*

convenience

(kuhn-**vee**-nyens)

noun



KIDS DISCOVER *Earth*

determine

(di-**tur**-muhn)

verb



KIDS DISCOVER *Earth*

extinction

(ek-**stingk**-shuhn)

noun



KIDS DISCOVER *Earth*

galaxy

(gal-uhk-see)

noun



KIDS DISCOVER *Earth*

habitat

(hab-uh-tat)

noun



KIDS DISCOVER *Earth*

COLLIDE: to crash; to strike with great force

- ★ The three cars that **collided** in the accident were damaged beyond repair.
- ★ *Sometimes they pull away; sometimes they slip past each other; other times they **collide**. (p. 12)*

CONVENIENCE: anything that is easy to use or that adds to one's comfort

- ★ Kitchen **conveniences** such as precooked foods help make preparing dinner easy.
- ★ *Cars, airplanes, and other **conveniences** make our lives easier in some ways. (p. 16)*

EXTINCTION: the dying out; the end of

- ★ Scientists have several theories about what caused the disappearance, or **extinction**, of the dinosaurs.
- ★ *Earth has endured five mass **extinctions** of various plant and animal species. (p. 7)*

HABITAT: the place where animals and plants live naturally

- ★ Cactuses can survive in desert **habitats** that are very dry and warm.
- ★ ***Habitats** are created largely by location and climate (normal weather patterns). (p. 6)*

ADAPTABLE: able to change to fit conditions

- ★ Because they are **adaptable**, raccoons can live in cities as well as in the country.
- ★ *For **adaptable** animals—such as humans—moving from habitat to habitat is no big deal. (p. 6)*

CONSERVE: to save from being lost or wasted

- ★ Reusing and recycling materials and avoiding waste are ways to **conserve** resources.
- ★ *Glass, paper, plastics, and metals can be recycled and used again, **conserving** precious natural resources. (p. 16)*

DETERMINE: to fix the character of; to result in

- ★ The cost of the product and the tax rate **determine** the amount of tax you will pay.
- ★ *The tilt of the Earth's axis **determines** seasons. (p. 14)*

GALAXY: a system of millions of stars

- ★ Andromeda is a **galaxy** of stars that can be seen as a cloud of light from Earth.
- ★ *Earth is part of a nine-planet solar system within the Milky Way **galaxy**. (p. 2)*

inefficient

(in-uh-**fish**-uhnt)

adjective



KIDS DISCOVER *Earth*

infest

(in-**fest**)

verb



KIDS DISCOVER *Earth*

molten

(**mohlt**-uhn)

adjective



KIDS DISCOVER *Earth*

obtain

(uhb-**tayn**)

verb



KIDS DISCOVER *Earth*

precipitation

(pri-sip-uh-**tay**-shuhn)

noun



KIDS DISCOVER *Earth*

radically

(ra-di-kuh-lee)

adverb



KIDS DISCOVER *Earth*

vulnerable

(**vul**-nuhr-uh-buhl)

adjective



KIDS DISCOVER *Earth*



KIDS DISCOVER *Earth*

INFEST: to spread over an area often in a harmful way

- ★ Bogs and marshes are **infested** with mosquitoes because the mosquitoes lay their eggs in water.
- ★ *Non-native plants now **infest** over 100,000 acres in the U.S. (p. 7)*

OBTAIN: to get something through effort

- ★ To **obtain** a driver's license, a person must first pass a written and a driving test.
- ★ *Scientists use a hollow cylinder to drill deep into the ice and **obtain** an ice core from which they take samples that reach back 300,000 years. (p. 9)*

RADICALLY: in an extreme way

- ★ Every year clearing forest areas **radically** reduces the habitats of many animals.
- ★ *If so, global warming could **radically** change Earth's climate. (p. 16)*

INEFFICIENT: wasteful of time, energy, or materials

- ★ Cars with **inefficient** engines use more gasoline and get lower mileage than cars with more efficient engines.
- ★ *SUVs (sports utility vehicles), for example, waste gas because of their **inefficient** fuel consumption. (p. 17)*

MOLTEN: melted by great heat

- ★ **Molten** steel is poured into molds where it becomes solid again.
- ★ *The upper mantle, an ocean of hot, **molten** rock, is 415 miles thick. (p. 3)*

PRECIPITATION: rain or snow

- ★ Last Tuesday's light drizzle was the only **precipitation** we had all month.
- ★ *Water's recycling process begins when it falls from clouds as rain or other **precipitation**. (p. 8)*

VULNERABLE: can be harmed or destroyed

- ★ All rocks are **vulnerable** to the eroding effects of wind and water.
- ★ *Carlsbad Caverns in New Mexico was formed by water eating away at limestone and other **vulnerable** rocks for thousands of years. (p. 13)*

Earth Dictionary List



ADAPTABLE

Pronunciation (uh-dap-tuh-buhl)

Part of Speech adjective

Definition able to change to fit conditions

★ Because they are **adaptable**, raccoons can live in cities as well as in the country.

Word Used in KIDS DISCOVER

★ *For **adaptable** animals—such as humans—moving from habitat to habitat is no big deal.*
(p. 6)

COLLIDE

Pronunciation (kuh-lyd)

Part of Speech verb

Definition to crash; to strike with great force

★ The three cars that **collided** in the accident were damaged beyond repair.

Word Used in KIDS DISCOVER

★ *Sometimes they pull away; sometimes they slip past each other; other times they **collide**.*
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CONSERVE

Pronunciation (kuhn-surv)

Part of Speech verb

Definition to save from being lost or wasted

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CONVENIENCE

Pronunciation (kuhn-vee-nyens)

Part of Speech noun

Definition anything that is easy to use or that adds to one's comfort

★ Kitchen **conveniences** such as precooked foods help make preparing dinner easy.

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DETERMINE

Pronunciation (di-tur-muhn)

Part of Speech verb

Definition to fix the character of; to result in

★ The cost of the product and the tax rate **determine** the amount of tax you will pay.

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EXTINCTION

Pronunciation (ek-stingk-shuhn)

Part of Speech noun

Definition the dying out; the end of

★ Scientists have several theories about what caused the disappearance, or **extinction**, of the dinosaurs.

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GALAXY

Pronunciation (gal-uhk-see)

Part of Speech noun

Definition a system of millions of stars

★ Andromeda is a **galaxy** of stars that can be seen as a cloud of light from Earth.

Word Used in KIDS DISCOVER

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HABITAT

Pronunciation (hab-uh-tat)

Part of Speech noun

Definition the place where animals and plants live naturally

★ Cactuses can survive in desert **habitats** that are very dry and warm.

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Part of Speech adjective

Definition wasteful of time, energy, or materials

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Word Used in KIDS DISCOVER

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INFEST

Pronunciation (in-fest)

Part of Speech verb

Definition to spread over an area often in a harmful way

- ★ Bogs and marshes are **infested** with mosquitoes because the mosquitoes lay their eggs in water.

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Pronunciation (mohlt-uhn)

Part of Speech adjective

Definition melted by great heat

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Pronunciation (uhb-tayn)

Part of Speech verb

Definition to get something through effort

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Word Used in KIDS DISCOVER

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PRECIPITATION

Pronunciation (pri-sip-uh-tay-shuhn)

Part of Speech noun

Definition rain or snow

- ★ Last Tuesday's light drizzle was the only **precipitation** we had all month.

Word Used in KIDS DISCOVER

- ★ *Water's recycling process begins when it falls from clouds as rain or other **precipitation**. (p. 8)*

RADICALLY

Pronunciation (ra-di-kuh-lee)

Part of Speech adverb

Definition in an extreme way

- ★ Every year clearing forest areas **radically** reduces the habitats of many animals.

Word Used in KIDS DISCOVER

- ★ *If so, global warming could **radically** change Earth's climate. (p. 16)*

VULNERABLE

Pronunciation (vul-nuhr-uh-buhl)

Part of Speech adjective

Definition can be harmed or destroyed

- ★ All rocks are **vulnerable** to the eroding effects of wind and water.

Word Used in KIDS DISCOVER

- ★ *Carlsbad Caverns in New Mexico was formed by water eating away at limestone and other **vulnerable** rocks for thousands of years. (p. 13)*



Name _____ Date _____

Crossword

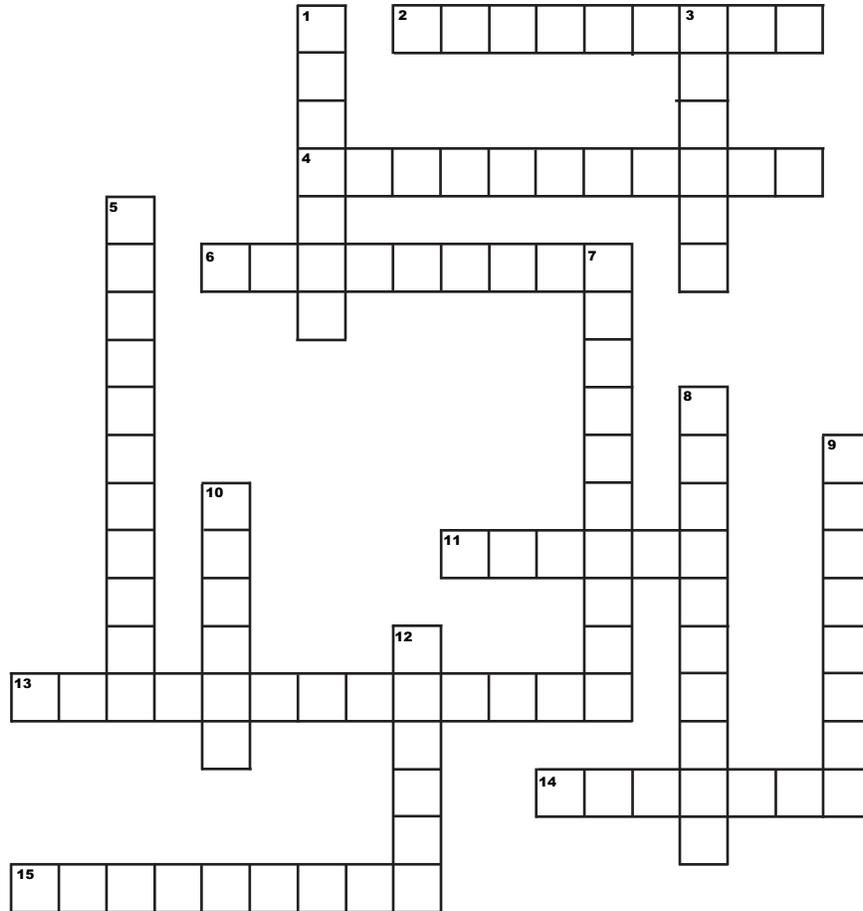
adaptable
collide
conserve

convenience
determine
extinction

galaxy
habitat
inefficient

infest
molten
obtain

precipitation
radically
vulnerable



Across

- 2. to fix the character of; to result in
- 4. wasteful of time, energy, or materials
- 6. able to change to fit conditions
- 11. melted by great heat
- 13. rain or snow
- 14. to crash; to strike with great force
- 15. in an extreme way

Down

- 1. the place where animals and plants live naturally
- 3. to spread over an area often in a harmful way
- 5. anything that is easy to use or that adds to one's comfort
- 7. the dying out; the end of
- 8. can be harmed or destroyed
- 9. to save from being lost or wasted
- 10. to get something through effort
- 12. a system of millions of stars



Name _____ Date _____

Word Find

Circle each word from the box in the letter grid below. The words are up and down, across, backwards, and diagonal. Then, going across each row starting at the top left, place each unused letter on a blank until you reveal the hidden message.

ADAPTABLE	EXTINCTION	MOLTEN
COLLIDE	GALAXY	OBTAIN
CONSERVE	HABITAT	PRECIPITATION
CONVENIENCE	INEFFICIENT	RADICALLY
DETERMINE	INFEST	VULNERABLE

I	V	U	L	N	E	R	A	B	L	E	A	L	L
N	C	C	Y	O	N	E	V	R	E	S	N	O	C
E	T	O	L	I	N	N	H	A	B	I	T	A	T
F	E	N	L	N	O	I	T	C	N	I	T	X	E
F	N	V	A	T	Y	M	C	S	S	W	E	R	O
I	E	E	C	O	X	R	O	O	E	N	C	E	B
C	A	N	I	P	A	E	A	L	L	F	R	T	T
I	O	I	D	F	L	T	P	A	T	L	N	N	A
E	G	E	A	A	A	E	E	A	B	E	I	I	I
N	P	N	R	R	G	D	C	P	B	X	N	D	N
T	T	C	A	D	A	P	T	A	B	L	E	T	E
P	R	E	C	I	P	I	T	A	T	I	O	N	B



Name _____ Date _____

Matching

For each vocabulary word in the left column, locate its definition in the right column. Write the number of the correct definition in the blank before the word.

- | | |
|---------------------|--|
| _____ adaptable | 1. rain or snow |
| _____ collide | 2. to get something through effort |
| _____ conserve | 3. wasteful of time, energy, or materials |
| _____ convenience | 4. to fix the character of; to result in |
| _____ determine | 5. able to change to fit conditions |
| _____ extinction | 6. can be harmed or destroyed |
| _____ galaxy | 7. the place where animals and plants live naturally |
| _____ habitat | 8. to spread over an area often in a harmful way |
| _____ inefficient | 9. to crash; to strike with great force |
| _____ infest | 10. a system of millions of stars |
| _____ molten | 11. in an extreme way |
| _____ obtain | 12. anything that is easy to use or that adds to one's comfort |
| _____ precipitation | 13. the dying out; the end of |
| _____ radically | 14. to save from being lost or wasted |
| _____ vulnerable | 15. melted by great heat |



Name _____ Date _____

Sentences

Fill in each blank with the word from the box that best completes the sentence.

adaptable	extinction	molten
collide	galaxies	obtained
conserve	habitat	precipitation
conveniences	inefficient	radically
determines	infested	vulnerable

1. Because of the high temperature, iron in Earth's outer core is a _____ metal.
2. You can _____ energy by turning off the lights when you leave a room.
3. The World Wildlife Fund works to prevent the _____ of endangered species.
4. _____ such as vacuum cleaners and washers and dryers have made housework easier.
5. Major volcano eruptions or forest fires can _____ change the landscape of an area.
6. The Milky Way is a spiral _____ of stars that looks like a pinwheel.
7. When tectonic plates _____, earthquakes may result.
8. Sharks have _____ the waters on the coast, making it dangerous to surf there.
9. The Arctic region is the natural _____ of polar bears.
10. Sandstone is very _____ to erosion by water and wind.
11. Being _____ helps organisms survive changes in their environments.
12. After many repeated requests, scientists finally _____ permission to dig at the site.
13. Keeping a car engine well tuned will help prevent the _____ use of fuel.
14. The rotation of Earth on its axis _____ night and day.
15. Hail, snow, sleet, and rain are different kinds of _____.



Name **ANSWER KEY** Date _____

Crossword

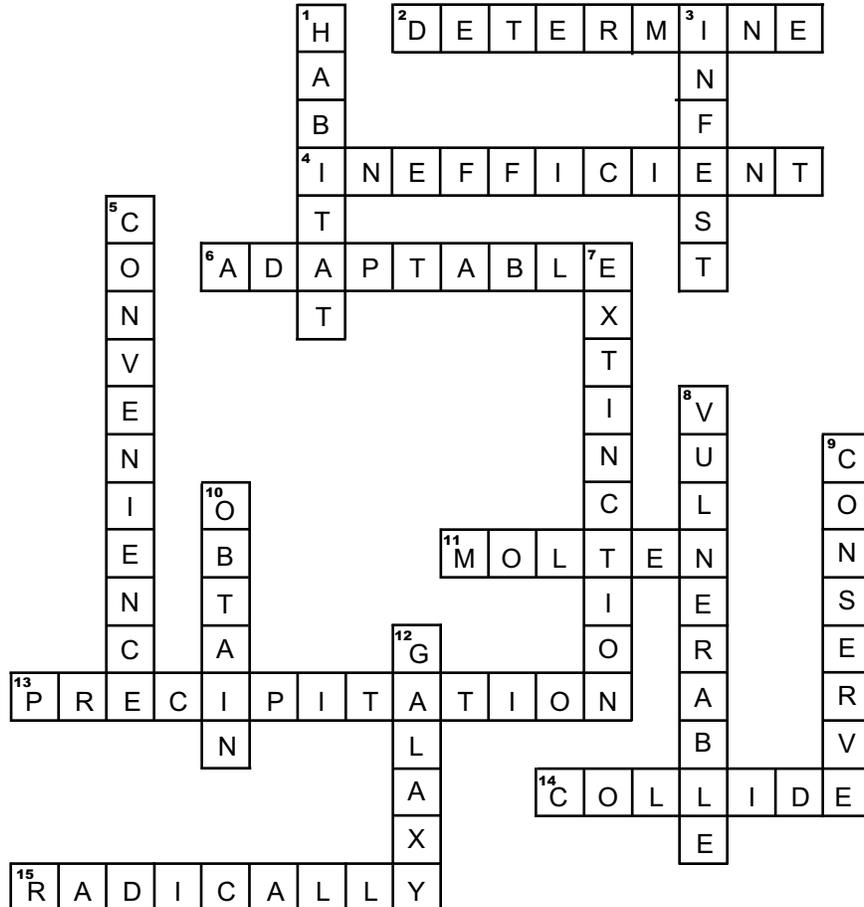
adaptable
collide
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Across

- to fix the character of; to result in
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Down

- the place where animals and plants live naturally
- to spread over an area often in a harmful way
- anything that is easy to use or that adds to one's comfort
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CONSERVE	HABITAT	PRECIPITATION
CONVENIENCE	INEFFICIENT	RADICALLY
DETERMINE	INFEST	VULNERABLE

I	V	U	L	N	E	R	A	B	L	E	A	L	L
N	C	C	Y	O	N	E	V	R	E	S	N	O	C
E	T	O	L	I	N	N	H	A	B	I	T	A	T
F	E	N	L	N	O	I	T	C	N	I	T	X	E
F	N	V	A	T	Y	M	G	S	S	W	E	R	O
I	E	E	C	O	X	R	O	O	E	N	C	E	B
C	A	N	I	P	A	E	A	L	L	F	R	T	T
I	O	I	D	F	L	T	P	A	T	L	N	N	A
E	G	E	A	A	A	E	E	A	B	E	I	I	I
N	P	N	R	R	G	D	C	P	B	X	N	D	N
T	T	C	A	D	A	P	T	A	B	L	E	T	E
P	R	E	C	I	P	I	T	A	T	I	O	N	B

A L L C O N T I N E N T S W E R E O N C E A P A R T
O F P A N G A E A .



Name **ANSWER KEY** _____ Date _____

Matching

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- | | |
|---------------------------|--|
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| <u> 8 </u> infest | 10. a system of millions of stars |
| <u> 15 </u> molten | 11. in an extreme way |
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