





# asteroid

(ass-tuh-royd)

noun



KIDS DISCOVER *Rocks*

# coalesce

(ko-uh-less)

verb



KIDS DISCOVER *Rocks*

# contradict

(kon-truh-dikt)

verb



KIDS DISCOVER *Rocks*

# cosmetic

(koz-met-ik)

noun



KIDS DISCOVER *Rocks*

# deficit

(def-uh-sit)

noun



KIDS DISCOVER *Rocks*

# eclipse

(i-klips)

noun



KIDS DISCOVER *Rocks*

# encircle

(en-sur-kuhl)

verb



KIDS DISCOVER *Rocks*

# erode

(i-rohd)

verb



KIDS DISCOVER *Rocks*

**COALESCE: to unite into a whole**

- ★ The two drops of water began to **coalesce** and formed one larger drop.
- ★ *The splashed molten rock that was ejected into orbit about the Earth finally **coalesced** into the moon. (p. 14-15)*

**COSMETIC: a beauty product**

- ★ Lipstick, mascara, and eyeliner are all **cosmetics**.
- ★ *Rocks are found in toothpastes and **cosmetics**. (p. 2-3)*

**ECLIPSE: a total or partial blocking of one celestial body by another**

- ★ A lunar **eclipse** occurs when the moon moves into the darkest part of the Earth's shadow.
- ★ *Archaeologists believe they [the ancient stones at Stonehenge] may have served as an astronomical calculator, predicting solar and lunar events, including **eclipses**. (p. 10-11)*

**ERODE: to diminish or destroy by degrees**

- ★ The constant rain caused the hill in the backyard to **erode**, and it got smaller and smaller until it was barely a hill at all.
- ★ *The limestone was **eroded**, and cave-ins helped form giant underground chambers. (p. 16-17)*

**ASTEROID: a rocky object that travels around the sun**

- ★ A large **asteroid** was found between the orbits of Mars and Jupiter.
- ★ *This led the Alvarezes to believe a comet or **asteroid** had hit Earth and its impact had killed off the dinosaurs. (p. 14-15)*

**CONTRADICT: to say the opposite of what has been said**

- ★ "I'm sorry to **contradict** you, but red is not my favorite color," Jonathan told his misinformed friend.
- ★ *Also, **contradicting** the common belief that Earth was a few thousand years old, Lyell showed that it was billions of years old. (p. 12-13)*

**DEFICIT: a shortage in quality or amount**

- ★ The government has a large economic **deficit** because it owes money to many different sources.
- ★ *That year the Tigers came from an 18-point **deficit** to defeat Virginia 40-35, and thus a tradition was born. (p. 16-17)*

**ENCIRCLE: to surround**

- ★ The police planned to **encircle** the bank so that the robbers would have no way to escape.
- ★ *A cloud of dust **encircled** Earth and blotted out the sun. (p. 14-15)*

# impurity

(im-pyur-ih-tee)

noun



KIDS DISCOVER *Rocks*

# lunar

(loo-nur)

adjective



KIDS DISCOVER *Rocks*

# pilgrimage

(pil-gruh-mij)

noun



KIDS DISCOVER *Rocks*

# prehistoric

(pree-hi-stor-ik)

adjective



KIDS DISCOVER *Rocks*

# stress

(stress)

noun



KIDS DISCOVER *Rocks*

# supernatural

(soo-pur-nach-ur-uhl)

adjective



KIDS DISCOVER *Rocks*

# transform

(transs-form)

verb



KIDS DISCOVER *Rocks*

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KIDS DISCOVER *Rocks*

**LUNAR: to do with the moon**

- ★ A **lunar** cycle is twenty-eight days, which is the amount of time it takes for the moon to go through all of its phases.
- ★ *Archaeologists believe they [the ancient stones at Stonehenge] may have served as an astronomical calculator, predicting solar and **lunar** events, including eclipses. (p. 10-11)*

**PREHISTORIC: belonging to a time before history was recorded in written form**

- ★ **Prehistoric** creatures, such as dinosaurs and mastadons, only survive today in fossil form.
- ★ **Prehistoric** humans began using stone tools around two million years ago. (p. 6-7)

**SUPERNATURAL: unexplainable; caused by an invisible force such as a ghost**

- ★ Telekinesis is thought to be the **supernatural** ability to move objects with the mind.  
*While rocks may not have **supernatural** powers--as many once believed--they do have an influence on our lives. (p. 2-3)*

★ \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**IMPURITY: a foreign or unclean substance**

- ★ When **impurities** are added to the silicon, it lets a tiny electric current pass, or flow. (Pgs. 6-7)
- ★ *Mercury is a dangerous **impurity** found in some lakes, and it can make fish caught in the water unsafe fo eat.*

**PILGRIMAGE: a journey to a sacred or significant place**

- ★ The believers made a **pilgrimage** to the holy land of their spiritual leader.
- ★ *Each year, millions of Muslims make a **pilgrimage** to Mecca in Saudi Arabia. (p. 16-17)*

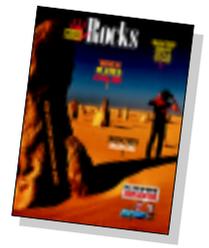
**STRESS: strain or pressure**

- ★ The weight of so many cars put enough **stress** on the bridge to cause it to collapse.
- ★ *As the huge plates try to slide past each other, **stress** builds up until the plates lurch in opposite directions. (p. 4-5)*

**TRANSFORM: to make a great change in something**

- ★ Hilda wanted to **transform** the overgrown yard into a beautiful flower garden.
- ★ *Over millions of years, with pressure and heat exerted on them, these fossils were **transformed** into valuable oil. (p. 6-7)*

# Rocks Dictionary List



## ASTEROID

**Pronunciation** (ass-tuh-royd)

**Part of Speech** noun

**Definition** a rocky object that travels around the sun

★ A large **asteroid** was found between the orbits of Mars and Jupiter.

**Word Used in KIDS DISCOVER**

★ *This led the **Alvarezes** to believe a comet or asteroid had hit Earth and its impact had killed off the dinosaurs. (p. 14-15)*

## COALESCE

**Pronunciation** (ko-uh-less)

**Part of Speech** verb

**Definition** to unite into a whole

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## CONTRADICT

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**Definition** to say the opposite of what has been said

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## COSMETIC

**Pronunciation** (koz-met-ik)

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**Definition** a beauty product

★ Lipstick, mascara, and eyeliner are all **cosmetics**.

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## DEFICIT

**Pronunciation** (def-uh-sit)

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**Definition** a shortage in quality or amount

★ The government has a large economic **deficit** because it owes money to many different sources.

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★ *That year the Tigers came from an 18-point **deficit** to defeat Virginia 40-35, and thus a tradition was born. (p. 16-17)*

## ECLIPSE

**Pronunciation** (i-klips)

**Part of Speech** noun

**Definition** a total or partial blocking of one celestial body by another

★ A lunar **eclipse** occurs when the moon moves into the darkest part of the Earth's shadow.

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Archaeologists believe they [the ancient stones at **Stonehenge**] may have served as an astronomical calculator, predicting solar and lunar events, including **eclipses**. (p. 10-11)

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**Definition** to surround

★ The police planned to encircle the bank so that the robbers would have no way to escape.

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## ERODE

**Pronunciation** (i-rohd)

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**Definition** to diminish or destroy by degrees

★ The constant rain caused the hill in the backyard to **erode**, and it got smaller and smaller until it was barely a hill at all.

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## PILGRIMAGE

**Pronunciation** (pil-gruh-mij)

**Part of Speech** noun

**Definition** a journey to a sacred or significant place

★ The believers made a **pilgrimage** to the holy land of their spiritual leader.

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**Pronunciation** (stress)

**Part of Speech** noun

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★ The weight of so many cars put enough **stress** on the bridge to cause it to collapse.

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**Pronunciation** (soo-pur-nach-ur-uhl)

**Part of Speech** adjective

**Definition** unexplainable; caused by an invisible force such as a ghost

★ Telekinesis is thought to be the **supernatural** ability to move objects with the mind.

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## TRANSFORM

**Pronunciation** (transs-form)

**Part of Speech** verb

**Definition** to make a great change in something

★ Hilda wanted to **transform** the overgrown yard into a beautiful flower garden.

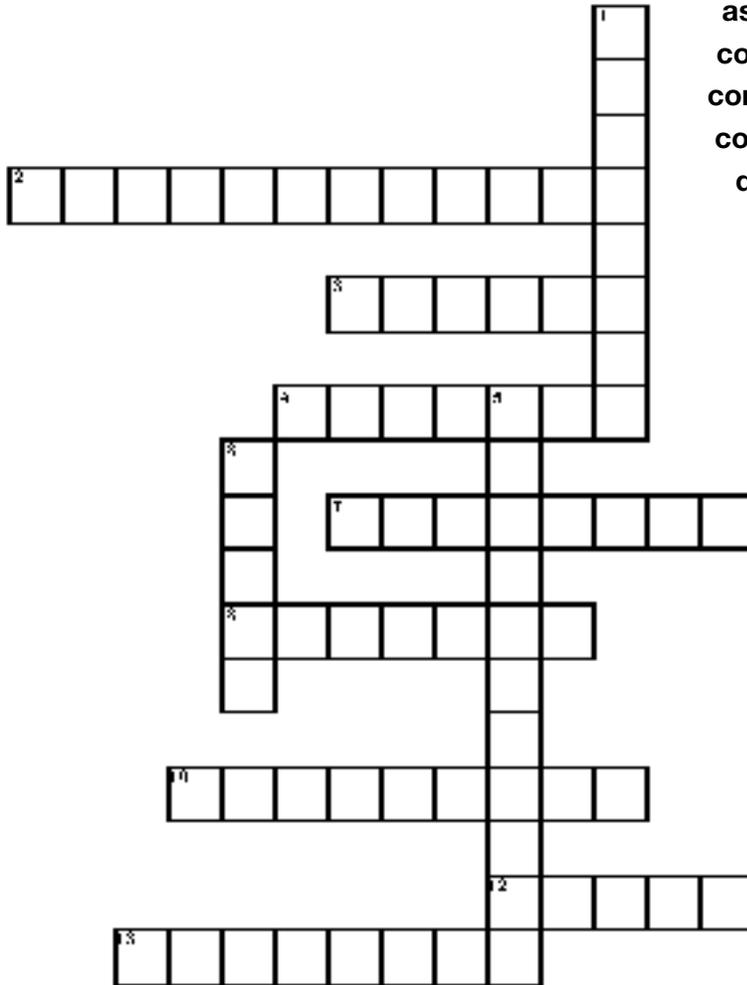
**Word Used in KIDS DISCOVER**

★ *Over millions of years, with pressure and heat exerted on them, these fossils were **transformed** into valuable oil. (p. 6-7)*



Name \_\_\_\_\_ Date \_\_\_\_\_

# Crossword



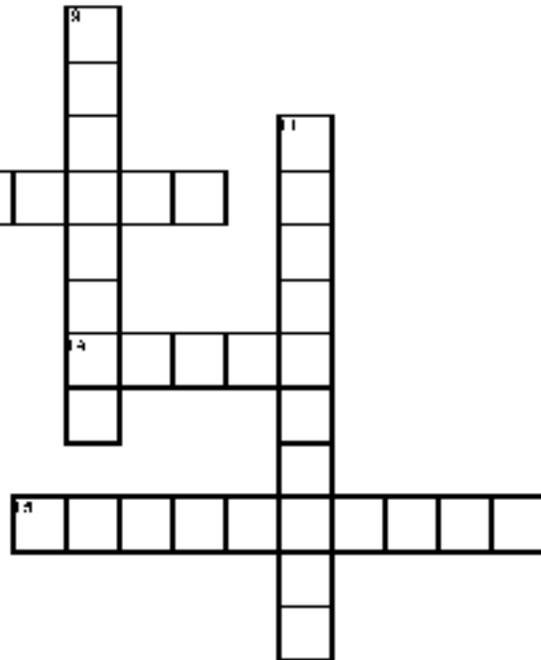
- |            |          |              |
|------------|----------|--------------|
| asteroid   | eclipse  | pilgrimage   |
| coalesce   | encircle | prehistoric  |
| contradict | erode    | stress       |
| cosmetic   | impurity | supernatural |
| deficit    | lunar    | transform    |

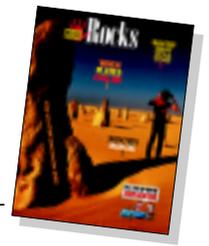
## Down

1. to unite into a whole
5. belonging to a time before history was recorded in written form
6. to diminish or destroy by degrees
9. to surround
11. to say the opposite of what has been said

## Across

2. unexplainable; caused by an invisible force such as a ghost
3. strain or pressure
4. a total or partial blocking of one celestial body by another
7. a rocky object that travels around the sun
8. a shortage in quality or amount
10. to make a great change in something
12. a foreign or unclean substance
13. a beauty product
14. to do with the moon
15. a journey to a sacred or significant place





Name \_\_\_\_\_ Date \_\_\_\_\_

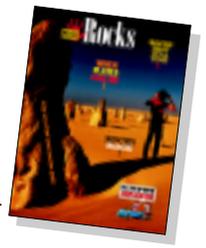
# Word Find

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.

asteroid	eclipse	pilgrimage
coalesce	encircle	prehistoric
contradict	erode	stress
cosmetic	impurity	supernatural
deficit	lunar	transform

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

\_\_\_\_\_  
 \_\_\_\_\_ ? \_\_\_\_\_



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.

- |                    |  |
|--------------------|--|
| _____ asteroid     | 1. a rocky object that travels around the sun                      |
| _____ coalesce     | 2. to make a great change in something                             |
| _____ contradict   | 3. belonging to a time before history was recorded in written form |
| _____ cosmetic     | 4. strain or pressure  |
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| _____ eclipse      | 6. a journey to a sacred or significant place                      |
| _____ encircle     | 7. to diminish or destroy by degrees                               |
| _____ erode        | 8. to surround   |
| _____ impurity     | 9. a beauty product  |
| _____ lunar        | 10. unexplainable; caused by an invisible force such as a ghost    |
| _____ pilgrimage   | 11. a shortage in quality or amount                                |
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| _____ stress       | 13. a total or partial blocking of one celestial body by another   |
| _____ supernatural | 14. to unite into a whole  |
| _____ transform    | 15. a foreign or unclean substance                                 |



Name \_\_\_\_\_ Date \_\_\_\_\_

## Sentences

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

asteroid	eclipse	pilgrimage
coalesce	encircle	prehistoric
contradict	erode	stress
cosmetic	impurity	supernatural
deficit	lunar	transform

1. During the \_\_\_\_\_ eclipse, the moon appeared to turn red as it passed through the Earth's shadow.
2. The company had a financial \_\_\_\_\_, because it paid out more money than it earned.
3. Lipstick was a \_\_\_\_\_ that she preferred not to wear.
4. It is the fairy godmother's job to \_\_\_\_\_ Cinderella into a beautiful party guest.
5. Lead is a dangerous \_\_\_\_\_ in drinking water.
6. Dinosaurs are among the most popular and interesting \_\_\_\_\_ creatures.
7. The \_\_\_\_\_ of stretching finally caused the rubber band to break.
8. Many science fiction films have been made about the destruction that would occur if an \_\_\_\_\_ hit the earth.
9. Eventually, the movement of even a small stream will \_\_\_\_\_ the surface of a rock.
10. The fog began to \_\_\_\_\_ the town, and soon no one could see more than two feet in front of their noses.
11. Laura was surprised to see her classroom turn dark in the middle of the day during the solar \_\_\_\_\_.
12. He made a \_\_\_\_\_ to the place of his birth to try and understand his heritage.
13. At the trial, the defense lawyer tried to \_\_\_\_\_ the prosecuting attorney's argument.
14. The two neighborhoods plan to \_\_\_\_\_ into one large village.
15. Some people believe in \_\_\_\_\_ occurrences like haunted houses, ghosts, and vampires.



Name **ANSWER KEY** Date \_\_\_\_\_

# Crossword

2 S U P E R N A T U R A L

3 S T R E S S

4 E C L I P S E

5 R A S T E R O I D

6 D E F I C I T

7 T R A N S F O R M

8 I M P U R I T Y

9 C O S M E T I C

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11 D E F I C I T

## Across

- unexplainable; caused by an invisible force such as a ghost
- strain or pressure
- a total or partial blocking of one celestial body by another
- a rocky object that travels around the sun
- a shortage in quality or amount
- to make a great change in something
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 N S I S M T S O F S F S E L D S P A  
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