



How to Make Eggshell Chalk



The next time you're fixing breakfast, keep those eggshells! Instead of just throwing them away, here is a fun way to recycle them for hopscotch, tic-tac-toe or just plain doodling. This chalk is just the thing!

Supplies:

- The shells of 6 eggs
- 1 teaspoon very hot tap water
- 1 teaspoon flour
- 1 clean rock
- Sheet of paper
- Spoon
- Cup
- Paper towel

Directions:

1. Wash the eggshells well, so they do not have any egg left in them. Let them dry for an hour. The shells must be completely dry, or the chalk will fall apart.
2. Place a sheet of paper on a hard surface. Grind the shells on the paper with a rock. Make sure the rock is clean so you don't get dirt ground in with the eggshells.
3. Continue grinding the eggshells until you have a fine powder. Make sure you have enough powder to fill a large spoon, which is enough for one stick of chalk.



4. When you have enough of the fine powder to make a stick of chalk, sift or pick up little bits of eggshells that are not ground up and throw them away. Leaving in little bits of eggshells may cause your chalk to break up.

5. Put the teaspoon of flour and the teaspoon of hot water into a cup. Stir together to make a paste.



6. Add the spoonful of eggshell powder into the paste and mix well. It may help to mash it with the back of the spoon.

7. Add a few drops of food coloring if you want colored chalk. Too many drops will make the paste too wet.

8. On a clean, dry surface roll the mixture into a stick.



9. Wrap the stick up in a strip of paper towel and set aside to dry. Drying takes about three days.

10. Peel the paper off one end and you're ready for some sidewalk art.

Tips:

This chalk is for drawing on sidewalks only, not for chalkboards.

Ask an adult to help with the hot water.

1 Which step needs to be completed right before picking out the eggshells in the **Directions** section?

- A. Grind shells
- B. Wash shells
- C. Dry shells

2 What information does the **Supplies** section give the reader?

- A. Steps needed to make chalk
- B. Items needed to make chalk
- C. Colors needed to make chalk

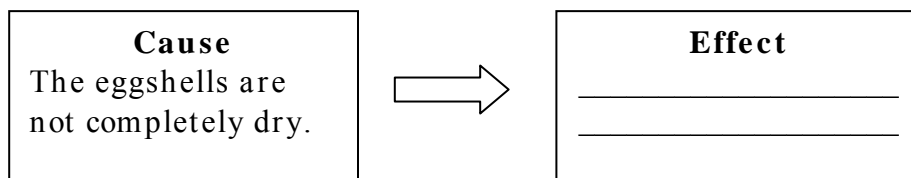
3 What types of problems could the reader have while making chalk? Include **two** details from the selection in your answer.

4 Step 4 in the **Directions** section tells the reader how to

5 Which of these sources would probably give the best information about making chalk?

- A. A website titled *Young Bakers: Tips and Tools*
- B. A book titled *Kitchen Crafts: From Food to Fun*
- C. A television show titled “Cooking with Children: A to Z”

6 Use information from the **Directions** section to fill in the effect for the given cause.



7 Based on information in the selection, what will most likely happen if a dirty rock is used?

- A. The dirt will fall apart.
- B. The dirt will get wet.
- C. The dirt will mix in.



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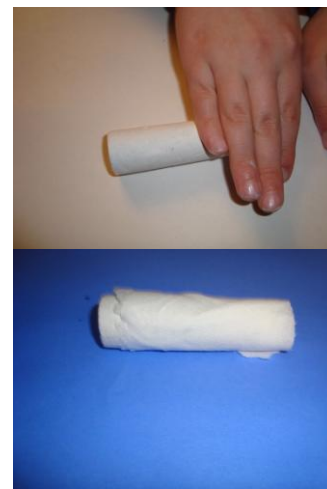
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Key	
Multiple Choice	A/B/C
Completion	CP
Short Answer	SA

Target	05-Sequence	Key	A
Strand	Comprehension	Passage ID	Eggshell Chalk
Grade Level Expectation	2.2.1		

- 1 Which step needs to be completed right before picking out the eggshells in the **Directions** section?
- A. Grind shells
 - B. Wash shells
 - C. Dry shells

Target	06-Understand Text Features	Key	B
Strand	Analysis	Passage ID	Eggshell Chalk
Grade Level Expectation	2.2.2		

- 2 What information does the **Supplies** section give the reader?
- A. Steps needed to make chalk
 - B. Items needed to make chalk
 - C. Colors needed to make chalk

Key	
Multiple Choice	A/B/C
Completion	CP
Short Answer	SA

Target	08-Cause and effect relationship	Key	SA
Strand	Analysis	Passage ID	Eggshell Chalk
Grade Level Expectation	2.3.1		

- 3** What types of problems could the reader have while making chalk? Include **two** details from the selection in your answer.

2	A 2-point response gives two text-based problems the readers could have while making chalk. Example: If the eggshells are not completely dry the chalk will fall apart. Also if you put in too much food coloring the paste will be too wet.
1	A 1-point response gives one text-based problems the readers could have while making chalk.

Text based details may include, but are not limited to:

- A. Wash the eggshells well, so they do not have any egg left in them.
- B. The shells must completely dry, or the chalk will fall apart
- C. Make sure the rock is clean so you don't get dirt ground in with the eggshells
- D. Leaving little bits of eggshells may cause your chalk to break up.
- E. Too many drops (of food coloring) will make the paste too wet.

Key	
Multiple Choice	A/B/C
Completion	CP
Short Answer	SA

Target	01-Main idea and supporting details	Key	CP
Strand	Comprehension	Passage ID	Eggshell Chalk
Grade Level Expectation	2.1.3		

4 Step 4 in the **Directions** section tells the reader how to

1	A 1-point response provides the following: Example: Sift out little bits of eggshell that aren't ground up.
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Text based details may include, but are not limited to:

- A. Sift or pick up little bits of eggshell that aren't ground up
- B. Throw away little bits of eggshell that aren't ground up

Target	09-Usefulness of resources	Key	B
Strand	Analysis	Passage ID	Eggshell Chalk
Grade Level Expectation	2.3.2 3.1.1		

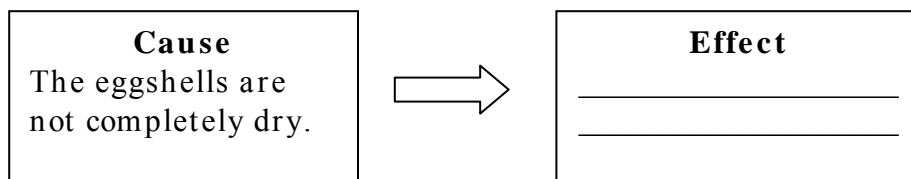
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Key	
Multiple Choice	A/B/C
Completion	CP
Short Answer	SA

Target	08-Understand Cause and Effect	Key	CP
Strand	Analysis	Passage ID	Eggshell Chalk
Grade Level Expectation	2.3.1		

- 6 Use information from the **Directions** section to fill in the effect for the given cause.



1	A 1-point response provides the following: Example: The chalk will fall apart.
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Text-based details may include, but are not limited to:

- A. The chalk will fall apart

Target	03-Infer and Predict	Key	C
Strand	Comprehension	Passage ID	Eggshell Chalk
Grade Level Expectation	2.1.5		

- 7 Based on information in the selection, what will most likely happen if a dirty rock is used?
- A. The dirt will fall apart.
 - B. The dirt will get wet.
 - C. The dirt will mix in.