

Name _____ Date _____ Period _____

Unit 1 Metamorphic Rock

What I think I know	What I want to know	What I know Do this after the rest of the sheet is done.

Name_____ Date_____ Period_____

Unit 1 Metamorphic Rocks

You tube: Metamorphic Rock Video

Question: What does the word Metamorphic mean?

Give at least three examples of a metamorphic process

- 1.
- 2.
- 3.

Click on the link below and watch the video about metamorphic rocks.

<https://www.youtube.com/watch?v=1oQ1J0w3x0o>

In order to form a metamorphic rock you would need what two major elements?

- 1.
- 2.

What are the two processes of forming metamorphic rock?

- 1.
- 2.

Name the five different regional metamorphic rocks listed in the video.

- 1.
- 2.
- 3.
- 4.
- 5.

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Unit 1 Metamorphic Rocks

Vocabulary/Classification of Metamorphic Rocks: Give Definitions of each.

Metamorphosis	Foliated/Classification 1	Non-Foliated/Classification 2

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Unit 1 Metamorphic Rocks: Metamorphic rock turns into a sedimentary rock story.

Write a two paragraph story about how a sedimentary rock turns into a metamorphic rock. Be creative and animated when writing your story.

Unit 1 Sedimentary to Metamorphic rock activities

Activity 1

Pancake metamorphic rock from sedimentary rock activity.

<https://www.youtube.com/watch?v=sS1Qf2DR-aA>

Materials: 1. Pancake mix in a bottle 2. Hershey's Chocolate 3. Marshmallows 4. Walnuts 5. Coconut shavings 6. Syrup 7. Hot plate 8. Pan

As students perform the activities, have them answer the questions in their journal.

Questions:

1. Predict what the final product will look like.
2. Draw a picture of what you think it will look like.
3. Explain what every piece of the activity represents.
4. Does your predicted picture look like the final product? Describe what you see after the experiment.

Summarize in two paragraphs your understanding of how the activity relates to the formation of metamorphic rock.

Activity 2

Starburst Candy metamorphic rock activity.

https://www.youtube.com/watch?v=g93jXTUv_RQ

Materials: 1. Starburst candy 2. Foil 3. Hot plate

As students perform the activities, have them answer the questions in their journal.

Questions:

5. Predict what the final product will look like.
6. Draw a picture of what you think it will look like.
7. Explain what every piece of the activity represents.
8. Does your predicted picture look like the final product? Describe what you see after the experiment.

Summarize in two paragraphs your understanding of how the activity relates to the formation of metamorphic rock.