

DO NOW:

How do each of the rock types form?

→igneous

→sedimentary

→metamorphic



3:00

FRIDAY

Today is: February 10
"A" Day

Objective:

I can use Page 6 of the ESRT to name the steps of the rock cycle.

Agenda:

1. Metamorphic Rock Lab
2. Metamorphic Rock Quiz
3. Journy of a Rock
4. Rock Cycle Notes

Reminders & Announcements:

- Test next Wed.

Reminders

★ Rocks & Minerals Test tomorrow

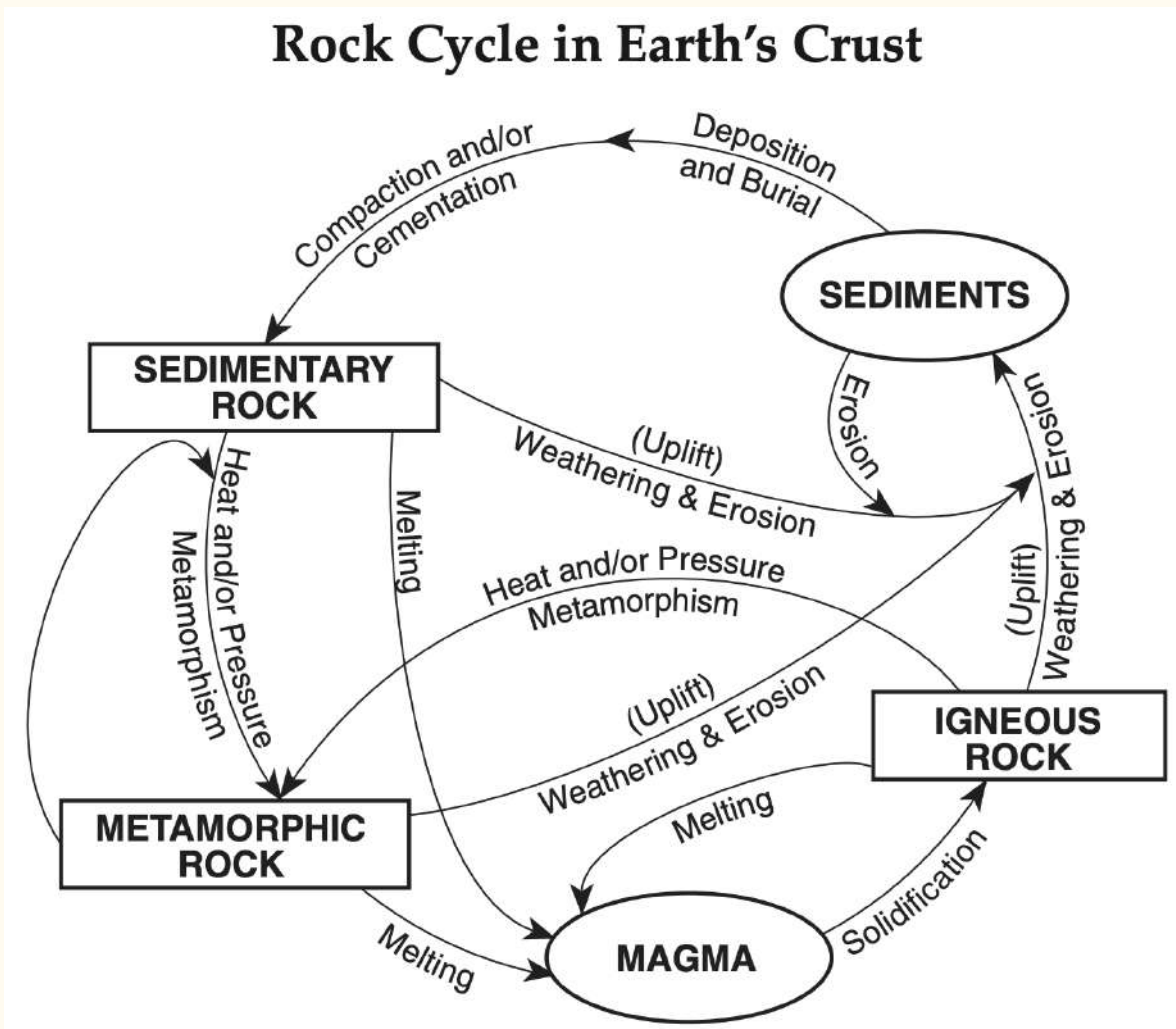
The Rock Cycle

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Turn to Page 6 of your
ESRT

—

ESRT Page 6



Use ESRT Page 6 to
answer the Questions



12:00

1. What are the three classes of rocks? Igneous, sedimentary, & metamorphic
2. Follow the arrow from sedimentary rock to metamorphic rock. What process is necessary to change a sedimentary rock to a metamorphic rock? Heat and pressure
3. Follow the arrow from sediments to sedimentary rock. How do sediments become sedimentary rock? Weathering & erosion → deposition & burial → cementation/compaction
4. How is magma formed? melting
5. How does magma become igneous rock? solidification
6. How does an igneous rock become metamorphic rock? Heat & pressure
7. How does a metamorphic rock become an igneous rock? Melting → solidification
8. How are sediments formed? Weathering & erosion

9. Which process cannot happen?

- a. Igneous rock → heat and/or pressure → metamorphic rock
- b. Igneous rock → weathering/erosion → burial & deposition → cementation → sedimentary rock
- c. Metamorphic rock → melting → solidification → igneous rock
- d. Sedimentary rock → melting → solidification → metamorphic rock

10. Can an igneous rock become another igneous rock? If so, how? _____

Yes, if it melts and then solidifies again

11. A sedimentary rock can become an igneous rock by melting and solidification. According to the diagram, what's one other, more indirect, way a sedimentary rock becomes an igneous rock?

It can become a metamorphic rock first, and then melt and solidify into a new igneous rock

Journey of a Rock

Name:

The Journey of a Rock

As you go through the interactive 'Journey of a Rock' slides, fill out the chart below to document your path.

| What process did you go through? (Which green arrow did you select?) | What did you become? (Look at the yellow highlighted shape) |
|--|---|
| | magma |
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |

WHEN YOU FINISH ALL 15 ROWS:

1. Hand it in

1. Work on the review sheet
or practice questions in
Google Classroom
