4.6 MAPPING THE ROCK CYCLE

Can you predict the possible pathways of change a rock can experience?

MATERIALS (PER SMALL GROUP OF STUDENTS)

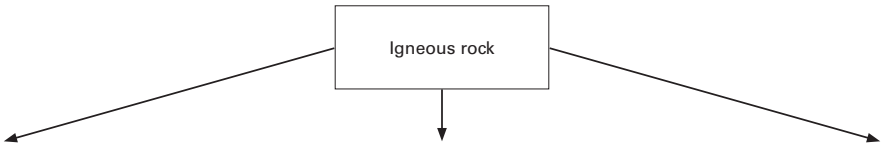
- Copy of 4.6 Student Worksheet (see next page)
- Timer (optional)

DIRECTIONS

1. Complete the rock cycle on the student worksheet using words from the word bank. Draw arrows between the words to connect them and show their relationship.
2. Compare your results with another team.
3. (Optional) Use the timer to see how fast you can complete the rock cycle.
4. (Optional) Place rocks from the rock kit to represent the appropriate phases of the rock cycle on your diagram.

REFLECTION

Identify the three pathways that an igneous rock could follow to undergo change.



WORD BANK

- Cooling and crystallization
- Deposition
- Heat and pressure
- Igneous rock
- Lithfication (compaction/cementation)
- Magma/lava
- Melting
- Metamorphic rock
- Metamorphism
- Relithified (compaction/cementation)
- Remelted
- Remetamorphised
- Reweathered and eroded
- Sedimentary rock
- Sediments
- Weathering and erosion

4.6 MAPPING THE ROCK CYCLE: STUDENT WORKSHEET

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