

INVESTIGATION QUESTION

How do the same materials transform into three completely different types of rock?

HYPOTHESIS

Hint: try writing it as "If _____, then _____, because _____."

Observation Table

Rock Type	What You Did to Create It	What It Looked/Felt Like	Real World Process
Sedimentary			
Metamorphic			
Igneous			

ANALYSIS

What happened to the original colors and layers through each stage? What does that represent in real rock?

CONCLUSION

In your own words, explain why geologists say 'rocks are always changing.'

CONNECT IT

Research the difference between granite and obsidian. Both are igneous. Why does granite have visible crystals but obsidian does not? What does that tell you about how each formed?

THINK FURTHER

Could a single rock ever complete the full rock cycle and return to its original form? Is there a beginning or end to the rock cycle?

ADDITIONAL NOTES