

## Core Skills Analysis

### Science

- TJ demonstrated an understanding of the rock cycle by identifying the different types of rocks: igneous, sedimentary, and metamorphic.
- He was able to explain the processes of erosion and sedimentation, recognizing how these contribute to the formation of sedimentary rocks.
- TJ showed an ability to connect how temperature and pressure can change rocks, illustrating a clear grasp of metamorphism.
- He actively engaged in discussions about how natural processes like weathering can recycle rocks, showcasing his ability to synthesize information learned.

### Tips

To enhance TJ's learning experience, consider incorporating interactive activities that solidify his understanding of the rock cycle. This can include hands-on experiments such as creating sediment layers using sand and gravel or using educational video games like Minecraft to simulate geological processes. Encourage him to observe rocks in nature or at local parks, and discuss his findings to deepen his knowledge through real-world connections.

### Book Recommendations

- [The Magic School Bus Inside the Earth](#) by Joanna Cole: Join Ms. Frizzle and her class as they embark on an exciting journey inside the Earth, exploring the rock cycle and geological processes.
- [Rocks and Minerals](#) by Patricia J. Murphy: This book provides fascinating insights into the different types of rocks, their formations, and the rock cycle, making it perfect for young scientists.
- [Rock Cycle \(Earth's Processes\)](#) by Linda Smith: A comprehensive introduction to the rock cycle that includes engaging illustrations and easy-to-understand information aimed at young readers.