

Name \_\_\_\_\_

## Rock Transformation Stories

**Instructions:** Below are **six rock transformation scenarios** told from the point of view of the rocks themselves. For each one, explain **how** the rock changes into another type of rock. Your answer should include the **process name(s)** (e.g., weathering, melting, heat and pressure) and the **new rock type** formed. Write your answers in complete sentences.

1. *"I was born deep underground from slowly cooled magma. Now the wind and rain are breaking me into tiny pieces that are washing away."*
2. *"I'm made of layers of sand that have been pressed together over time. Lately, I've been pushed deeper into the crust where it's hotter and the pressure is intense."*
3. *"I was a smooth pebble in a riverbed. Over millions of years, I got buried and cemented together with other pebbles. But now I'm melting far below the surface."*
4. *"I was once a volcanic rock at the surface, but now I'm being ground down into fine particles and carried to the ocean floor."*
5. *"I'm a piece of shale, and I've been squeezed and heated until my texture and minerals have completely changed."*
6. *"I was a marble statue, but over time I've been exposed to rain mixed with carbon dioxide, wearing me away bit by bit."*

