Worksheet: transform the rock

Drag and place the icons that represents the correct process, from the row below, into the empty box.

Heat and Pressure

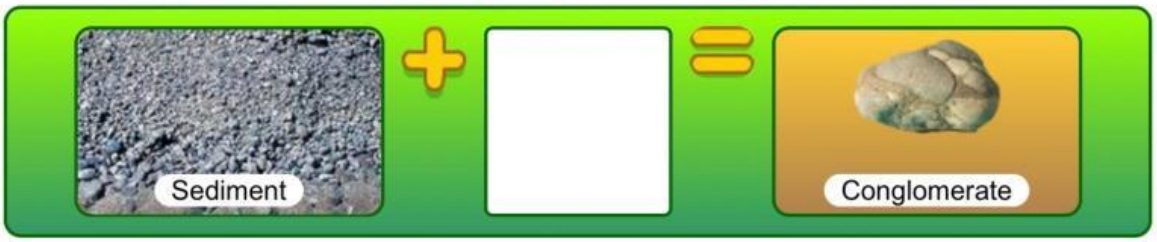
Melting

Weathering and Erosion

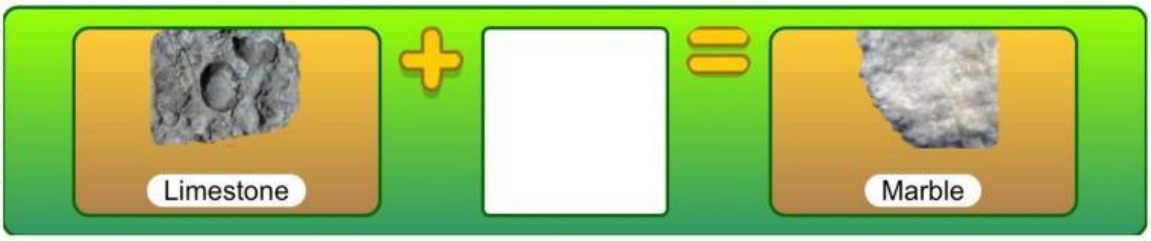
Cooling

Compacting and Cementing

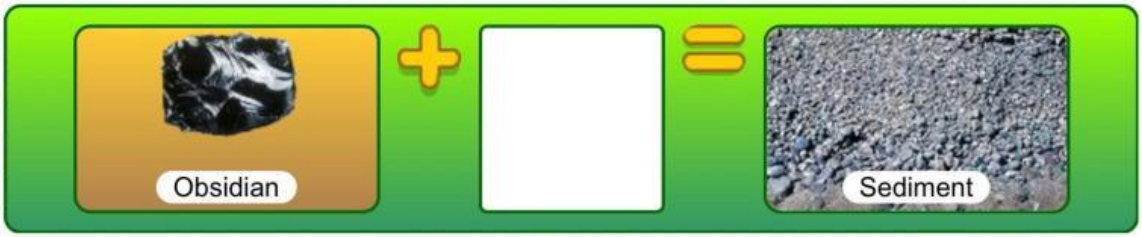
1. The conglomerate has disappeared! What can turn pebbles and sand (sediment) into a conglomerate (sedimentary rock)?



2. The marble is gone! What process can turn limestone (sedimentary rock) into marble (metamorphic rock)?



3. What happened to the obsidian? It's turned into sand! What process can turn obsidian (igneous rock) into sediment?



LIVEWORKSHEETS

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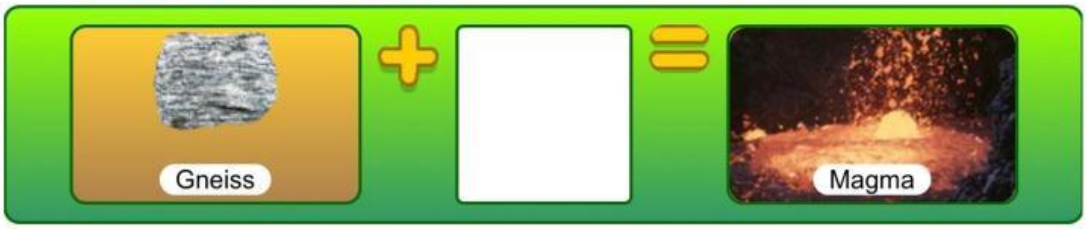
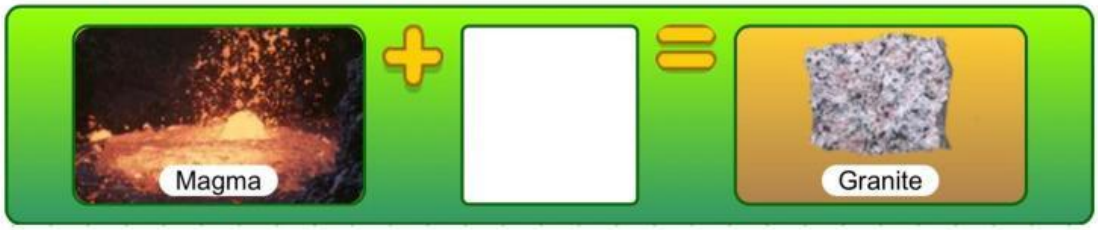
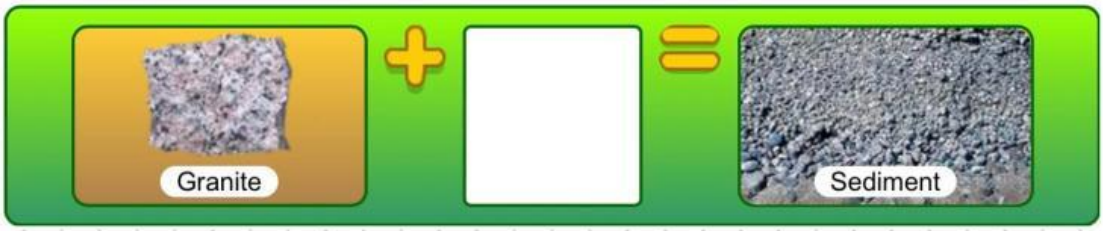
4. The gneiss got pushed way underground! What process can turn gneiss (metamorphic rock) into magma?



5. Over time, magma deep inside the earth has turned into granite (igneous rock). What process made this happen?



6. The granite has slowly been pushed to the surface of the earth, where wind and water have worn it down. What is the name of the process that turned granite into sediment?



LIVEWORKSHEETS

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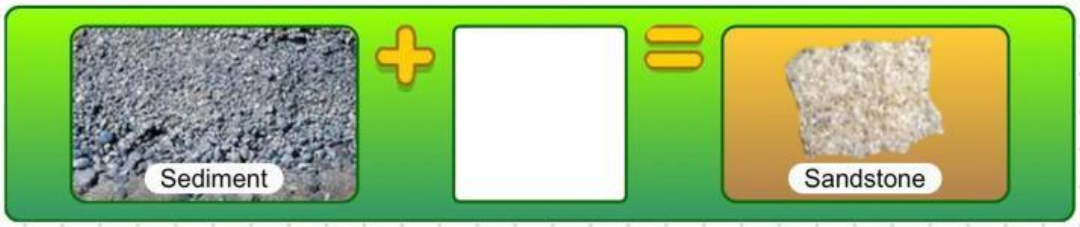
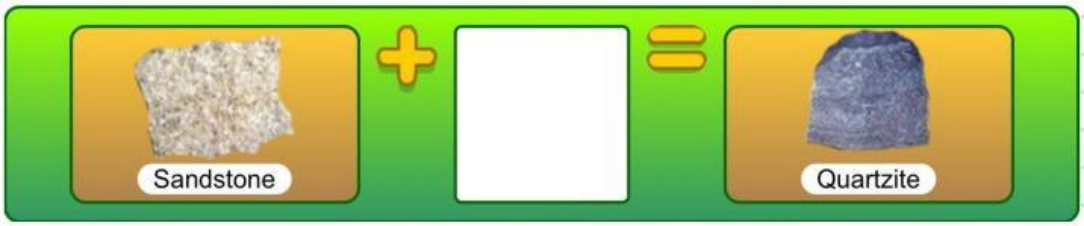
7. Over time, the sandy sediment has become a sedimentary rock called sandstone. What process turns sand into sandstone?



8. Next, the sandstone gets pushed underground and transforms into a metamorphic rock called quartzite. What process can turn sandstone into quartzite?



9. Finally, the quartzite gets pushed even farther under the surface of the earth, where it becomes magma. What turns quartzite into magma?

LIVEWORKSHEETS