

YOUR SCORE:

0

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

2

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Limestone



Marble



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

4

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

6

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

8

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Magma



Granite



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

10

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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?



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

12

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

14

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing

YOUR SCORE:

16

TIME:

Transform the Rock

Drag and place the icons that represents the correct process, from the row at the bottom of the screen, in to the empty box.

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



Heat and Pressure



Melting



Weathering and Erosion



Cooling



Compacting and Cementing