

# Rocks, soils and fossils.

## Mohs Scale of Hardness

Friedrich Mohs (born 1773) was a GEOLOGIST who developed a 'scratch test' which is quite simple and is based on the idea that a harder material will scratch a softer one. His scale goes from talc at 1, which is the softest material, to diamond the hardest at 10.



### Task 1 - Watch the video about Mohs Scale of Hardness

<https://www.youtube.com/watch?v=xZUgWzRpA-4>

### Task 2 - Research the names of each rock and match them to the pictures.



Mohs scale of hardness	Rock / Mineral	This is the rock
1	<a href="#">Talc</a>	
2	<a href="#">Gypsum</a>	
3	<a href="#">Calcite</a>	
4	<a href="#">Fluorite</a>	
5	<a href="#">Apatite</a>	
6	<a href="#">Feldspar</a>	
7	<a href="#">Quartz</a>	
8	<a href="#">Topaz</a>	
9	<a href="#">Corundum</a>	
10	<a href="#">Diamond</a>	



## Challenge

Tom used Moh's scale of hardness to put his rocks in order of hardness.

This is what he found.

**Softest**    Chalk    Slate    Sandstone    Quartz    Granite    **Hardest**

a) Which rock is the hardest? \_\_\_\_\_

b) Which rock is the softest? \_\_\_\_\_

c) Which rocks can mark sandstone? \_\_\_\_\_

d) Which rock cannot scratch any other rock? \_\_\_\_\_