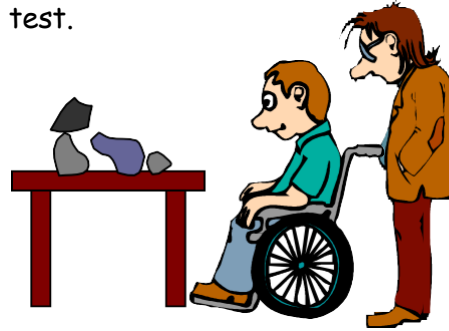


# Rocks and soils

1) Troy and Cooper discuss which of the rocks in their rock collection they think are the hardest. They decide to carry out the scratch test.



This table shows their results:

Rock	Was scratched by ...			
	fingernail	nail	matchstick	plastic knife
Coal	No	Yes	No	Yes
Limestone	No	Yes	No	No
Granite	No	No	No	No
Chalk	Yes	Yes	Yes	Yes

a) Which rock could Troy's fingernail scratch? \_\_\_\_\_

b) Which rock was the hardest? How do you know?

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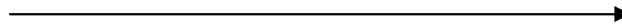
c) Use the table to answer the following question.

Write the name of each rock in the boxes below. Place them in order from softest to hardest.





Softest Rock



Hardest Rock

2) Write down two things that hard rocks could be used for:

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 and 

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3. Mary Anning was an expert fossil hunter, what is the correct word for her job studying fossils?

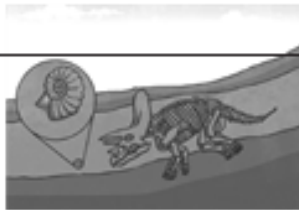




4. What is the only type of rock where you can find fossils?

5. Brick is not a natural rock, what type of rock is it?

6. Here are the steps of how a fossil is formed, but they are in the wrong order:

Put the numbers 1, 2,3,4,5 in the boxes next to them to show the correct

order.

Part of the Process		Number
Over thousands of years the mould fossil might become a cast fossil with sediment entering the mould. Or it could become a replacement fossil.		
As erosion and weathering takes place, eventually the fossils become exposed.		
An animal dies and ends up in the sea. It gets covered by a layer of rock.		
Over a long period of time the sea will recede in certain places.		
Over time, more layers of rock cover it and by this time the only thing that remains is the bones.		

7. There are **three** types of natural rock. Join up each rock to the correct rock type:

**Rock**

**Rock Type**

Sandstone

Igneous

Marble

Sedimentary

Granite

Metamorphic

8.



Rock \_\_\_\_\_ Natural or artificial \_\_\_\_\_  
Job \_\_\_\_\_  
Why selected \_\_\_\_\_



Rock \_\_\_\_\_ Natural or artificial \_\_\_\_\_  
Job \_\_\_\_\_  
Why selected \_\_\_\_\_



Rock \_\_\_\_\_ Natural or artificial \_\_\_\_\_  
Job \_\_\_\_\_  
Why selected \_\_\_\_\_



Rock \_\_\_\_\_ Natural or artificial \_\_\_\_\_  
Job \_\_\_\_\_  
Why selected \_\_\_\_\_

