



WHAT ROCK'S IN YOUR SOCK?!

Experiment 1: Describe what your rock looks and feels like

Feel the rock in your sock and in the worksheet write down a description for its texture. Then reveal your rock and use a magnifying glass to take a closer look. Complete the rest of the table below.

Rock	Colour	Texture	Grain Size	Lustre	Feature
<i>Description</i>	<i>Black / Red / Brown / Grey</i>	<i>Rough / Smooth</i>	<i>Small / Medium / Large</i>	<i>Shiny / Dull</i>	<i>Fossils / Crystals</i>
1					
2					
3					
4					
5					

Experiment 2: Testing the properties of your rock

Equipment: A long nail, pipette, vinegar and water

1. Use a nail to see if you can scratch each rock - if you can make a mark, it is a soft rock.
2. With a pipette, place 2 drops of vinegar onto each rock - if it fizzes, it has calcium carbonate in it.
3. Now use your pipette to put 2 drops of water onto your rock - if it soaks in, it is porous.

Record your results on the worksheet below then see if you can work out the name of your rock!

Rock	Hard	Soft	Does vinegar make it fizz?		How fast does water soak in?		
<i>Description</i>	<i>Difficult to scratch with a nail</i>	<i>Easily scratched or damaged</i>	<i>Yes</i>	<i>No</i>	<i>Stays on surface or runs off the rock - non porous</i>	<i>Water slowly sinks into the rock - porous</i>	<i>Soaks up water quickly - this rock is very porous</i>
1							
2							
3							
4							
5							

Here are some rocks that you might find: granite - sandstone - slate - limestone - chalk - mudstone - coal.