

Mineral streak and hardness

number	streak colour	scratches steel?	mineral name
1-1			
1-2			
1-3			
1-4			
2-1			
2-2			
2-3			
2-4			
3-1			
3-2			
3-3			
3-4			

Mineral streak and hardness

number	streak colour	scratches steel?	mineral name
1-1			
1-2			
1-3			
1-4			
2-1			
2-2			
2-3			
2-4			
3-1			
3-2			
3-3			
3-4			

Mineral crystal shape

What shapes are the mineral crystals?

Crystal	Shape
salt	
quartz	
borax	
calcite	
selenite	

Carbonate acid test

Add the shell and rocks to vinegar in the labelled tray.
Look for tiny bubbles - they might take a minute to start.
Bubbles are made by carbonates.

Wash the material in the water when you are done.

Sample	Material	Bubbles with acid?	Carbonate? (yes/no)
shell	living thing	<i>yes</i>	<i>yes</i>
quartz	mineral		
calcite	mineral		
limestone	sedimentary rock		

Mineral crystal shape

What shapes are the mineral crystals?

Crystal	Shape
salt	
quartz	
borax	
calcite	
selenite	

Carbonate acid test

Add the shell and rocks to vinegar in the labelled tray.
Look for tiny bubbles - they might take a minute to start.
Bubbles are made by carbonate rocks.

Wash the material in the water when you are done.

Sample	Material	Bubbles with acid?	Carbonate? (yes/no)
shell	living thing	<i>yes</i>	<i>yes</i>
quartz	mineral		
calcite	mineral		
limestone	sedimentary rock		