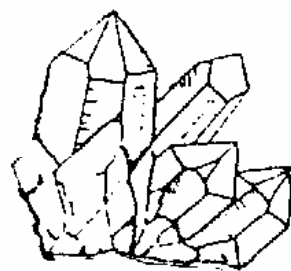
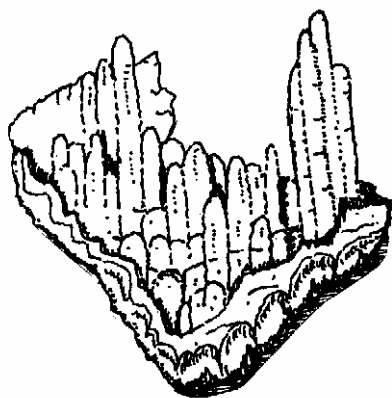


Minerals

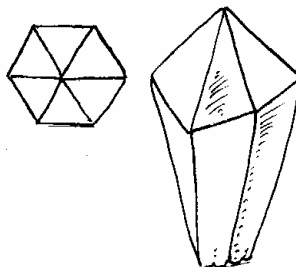
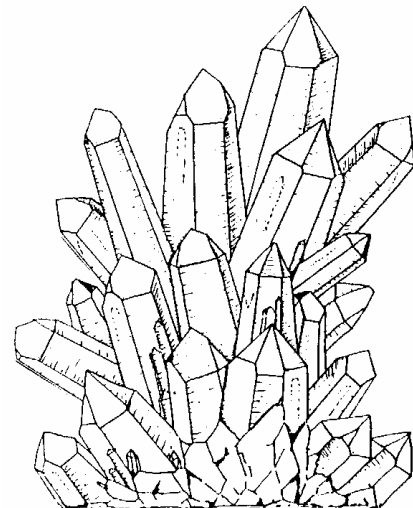
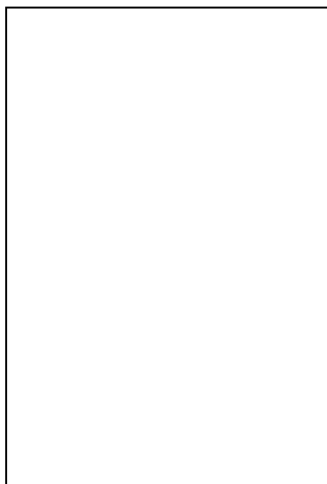


Minerals occur naturally in the ground. They are not part of an animal or a plant. About 3,500 different minerals have been identified. Minerals form crystals in many different shapes, sizes and colours.

Can you draw a quartz crystal?

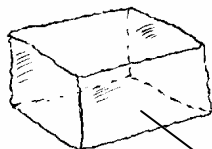
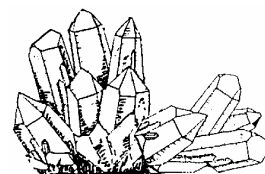
What colour is amethyst?

An amethyst crystal has six sides and a pointed tip. What do we call a six-sided shape?

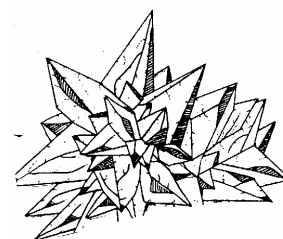
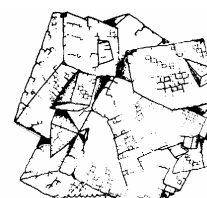
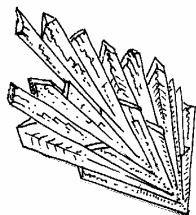


Crystals

Minerals crystals come in all shapes and sizes. Can you name and colour these?



| <u>Name</u> | | <u>colour</u> |
|--|---|----------------------|
| pyrite | - | gold |
| gypsum (desert rose) | - | orangey-pink |
| quartz (rock crystal) | - | clear |
| fluorite (purple) | - | purple |
| Iceland spar gypsum (crystal sprays) | - | clear milky, grey |
| calcite (dog-tooth) | - | milky cream |
| hematite (kidney ore) | - | brownish-red |

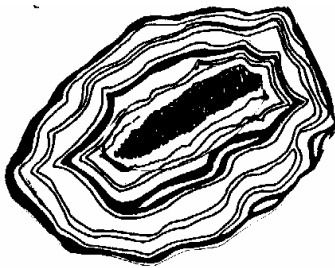


Agate

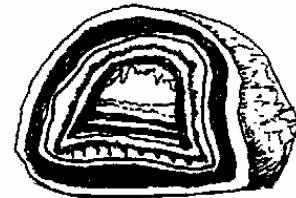
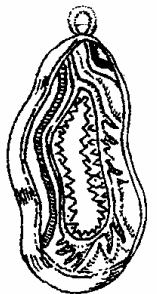


Agate forms in cavities in volcanic rocks. Beautiful patterns occur when tiny crystals grow in bands of different colours. Natural chemicals make lots of lovely colours. Agate can be cut, sliced and tumble polished.

Can you name these agate shapes?



- agate slice
- agate heart
- agate cross
- agate geode slice
- tumble polished stone
- polished agate geode



Some names describe the colour and pattern of the agate. Can you colour the polished stones to match their names?



blue lace agate

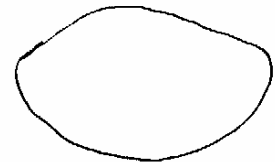


green moss agate



pink Botswana

Now choose three more.



Minerals to be found in the Rock and Dinosaur shop.