

Re: Emerald some Questions

Source: <http://sci.tech--archive.net/Archive/sci.geo.geology/2006-10/msg00240.html>

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 - *Date:* Fri, 20 Oct 2006 10:07:34 -0500
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Tom wrote:

I dont study Geology, i am an Exchange Student, i thought to improve me English if i learn something what i like to know, just for fun to improve my english, because english isnt my first language. And i like Geology, it is very interessting.

Ok is this correct?

Find von Emerald the chemical group and if a silicate which silicate group (tetrahedra group)

ANSWER: Emerald is a green beryl (a silicate of beryllium and aluminum)
??

What kind of rock would you look for to find Emerald?

Rock group and rock type within group

ANSWER: Beryl ..rock type?

They are often found in pegmatites or schistic contact metamorphic rocks.

What are three distinctive physical property(ies) of Emerald?

– weight is the most valuable gemstone in the world

Gem quality emeralds are rare, because beryl tends to have internal cracks, and inclusions, or is cloudy. A good gemstone needs to be clear, not have foreign matter or be cracked.

– Beryl has a hardness of 7.5 on the 10 point Mohs scale of hardness.

Even though Beryl is relative hard, it's also fairly brittle, hence the Chatham remanufactured emeralds, where slices of real emerald are combined with a binding element.

Interestingly, there seems to be a much bigger supply of gem quality aquamarines (beryl, blue, colored by

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iron).

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