Explore more!
Time to learn more about geological time? Then check out these Web sites! www.enchantedlearning.com/subjects/Geologictime.html www.cotf.edulete/modules/msese/earthsysfl/geotime.html Are you a rock expert?


Test yourself to find out. 1. $\qquad$ is the hardest known mineral. 2. The rocks in Baker Lake are to $\qquad$ years old. 3. Name one geological time era: 4. The earth is $\qquad$ years old.


## A CLOSER LOOK AT...

 QUARTZ AND DIAMONDS
## -HOW OLD ARE THE ROCKS

 WHERE YOU LIVE?Live in Gjoa Haven? Then rocks around you are up to 500 million years old. Live


Telling the difference - how hard could it be? Quartz and diamonds are sometimes mistaken for each other. Try to guess which sample is diamond and which sample is quartz.

## CHARACTERISTICS

SAMPLE A

- usually white or colourless but can be other colours
- cannotbe scratched by a knife (that's hard!)
- mostly forms six-sided prisms
- one of the most common minerals around

SAMPLE B

- usually white or colourless but can be other colours
- is the hardest known mineral and will scratch most other minerals (that's even harder!)
- mostly forms eight-sided shapes (octahedrons)
- this mineral is rare
puowe!p s! g ə|dues pue zuıenb s! $\forall$ ə|dmes :dəмsu甘

$$
\therefore \bullet^{\bullet} \text { Digging deep...did you know } ? \cdot \text {. }
$$

Scientists believe the earth formed about 4.5 billion years ago. The oldest rock found on earth is nearly four billion years old, and the oldest meteorites and rocks from the moon are around 4.5 billion years old.

## Geological Time Scale

Cenozoic


Age of Humanity, present to 1.8 million years ago Age of Mammals, 1.8 million to 65 million years ago


Mesozoic
Age of Reptiles, 65 million to
230 million years ago
Paleozoic
Age of Amphibians, 230 million to
345 million years ago
Age of Fishes, 345 million to
425 million years ago
Age of Marine Invertebrates,
425 million to 570 million years ago
Precambrian
570 million to about 4,5 billion years ago

## Contact Us

If you have a geology question you want answered, send an e-mail to: nunavutminerals@inac-ainc.gc.ca

Rock Talk is produced by Indian and Northerm Affairs Canada, Nunaut Regional Office.

We welcome your questions, comments or suggestions. Please e-mail us at nuinfo@inac-ainc.gc.ca or phone 867 975-4510. Visit our
Web site at www.inac-ainc.gc.ca/nu


12

