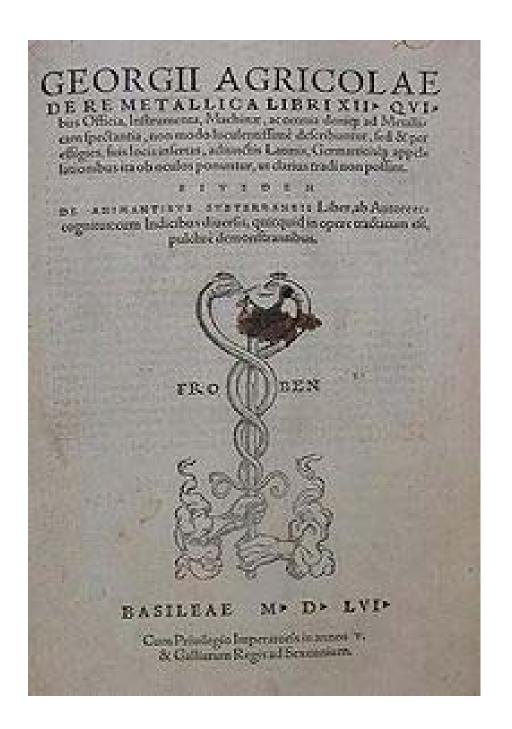
#### Stephen Jay Gould on "deep time"

"geology's greatest contribution to human thought....[a discovery] so central, so sweet, and so provocative, that we cannot hope to match its importance again."

From Time's Arrow, Time's Cycle (1987)





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## Comparison of Werner's Neptunist Theory and Hutton's Plutonist Theory

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See: <a href="http://bit.ly/kJLrQ8">http://bit.ly/kJLrQ8</a>

### Baron Georges Cuvier (1769-1832)



# From Cuvier's *Le règne animal*, first published 1817

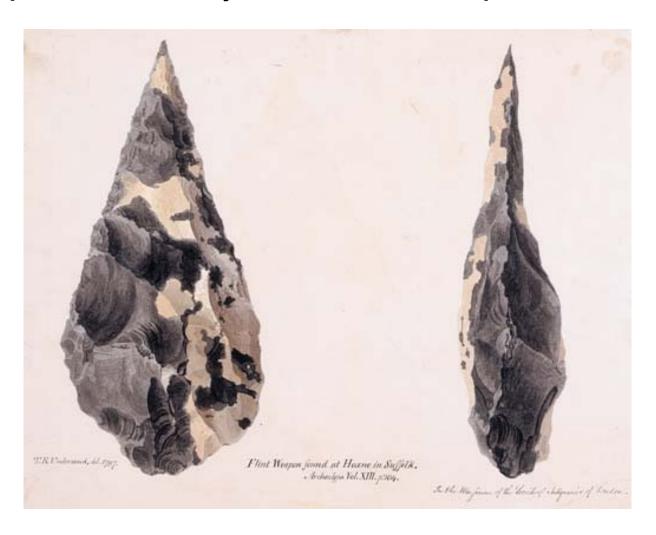


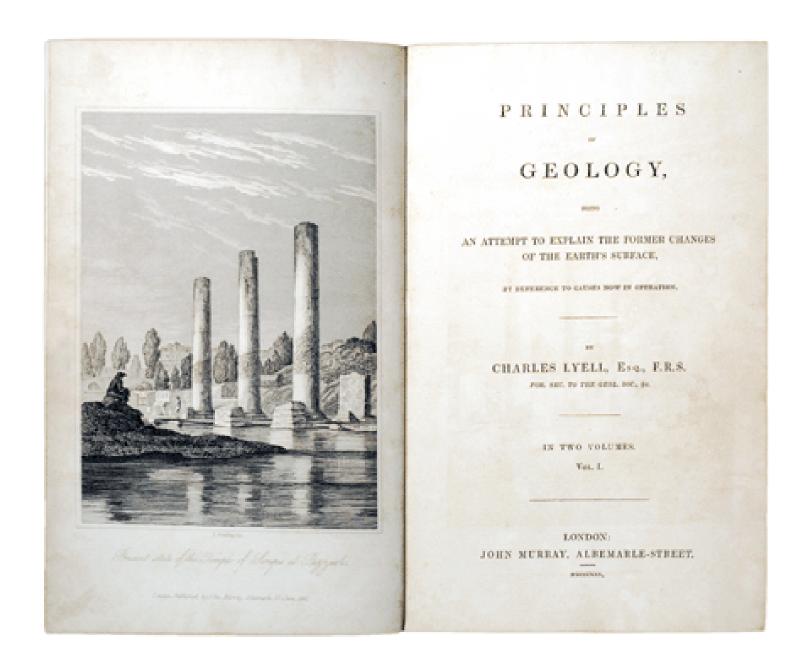
#### Cuvier's Animals

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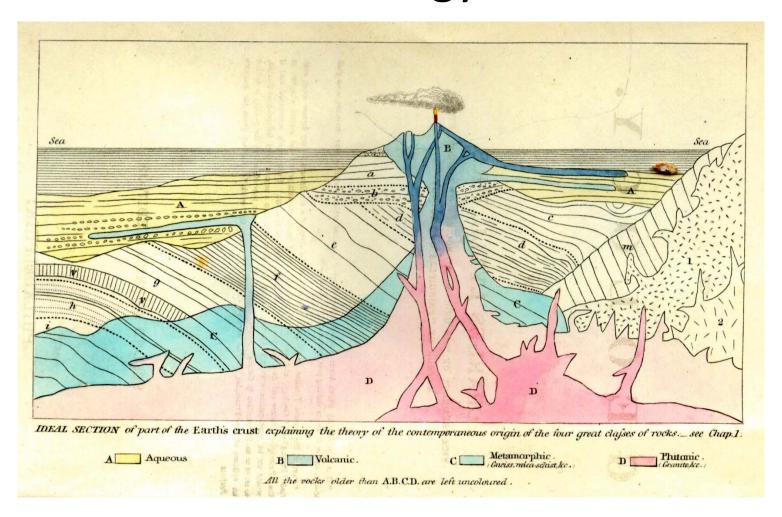
See: <a href="http://ecx.images-amazon.com/images/I/516MD0GJX4L">http://ecx.images-amazon.com/images/I/516MD0GJX4L</a>. SS500 .jpg

## Handaxes, from article in Archaeologia (written by John Frere), 1800

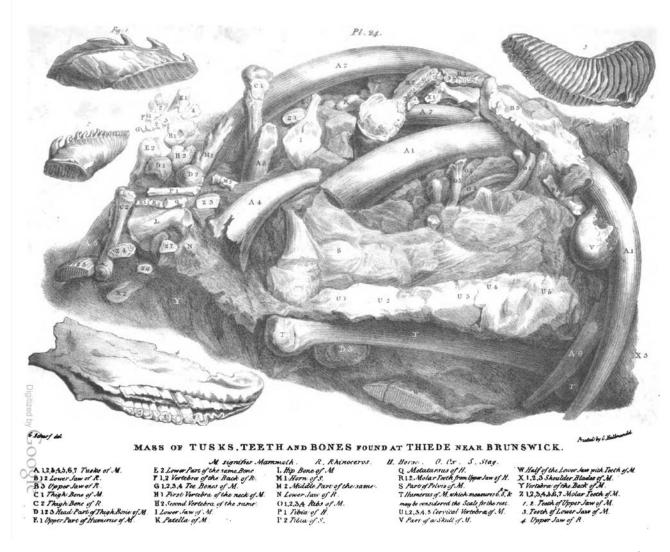


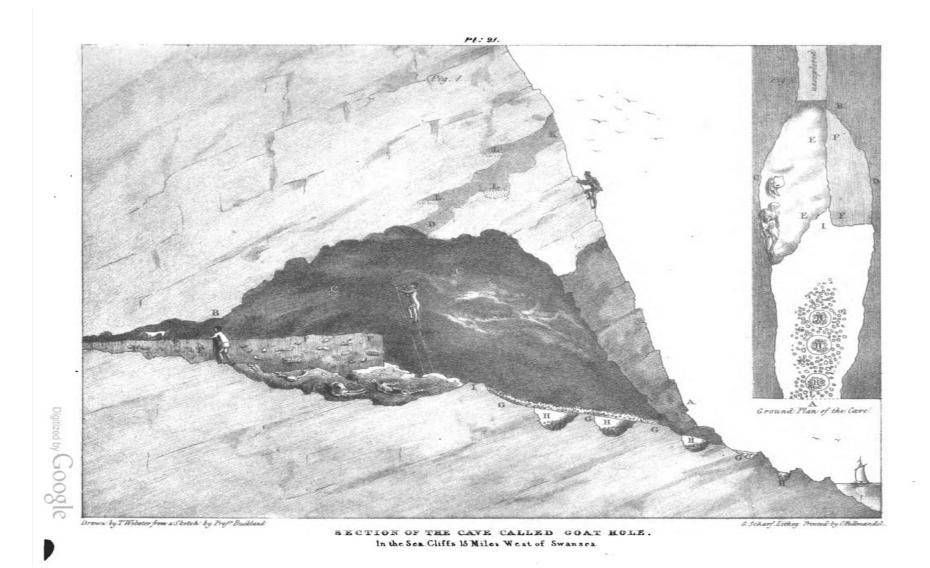


## Frontispiece, Lyell's Principles of Geology



### From William Buckland, Reliquiae Diluvianae, (1823)





#### Kent's Cavern

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See: http://farm6.static.flickr.com/5004/5380642570 4eef72fcef.jpg

### Neandertal skull (left) Homo sapiens (right)

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See: <a href="http://bit.ly/jSWLge">http://bit.ly/jSWLge</a>

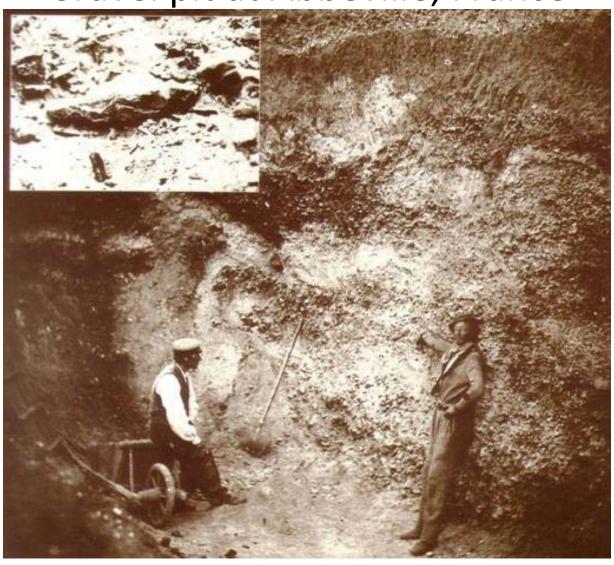
#### Neandertal skull (left) Homo sapiens (right)

Image removed due to copyright restrictions.

See:

http://anthro.palomar.edu/homo2/images/Neandertal modern human skulls.gif

#### 27 April 1859 Gravel pit at Abbeville, France



### Image of Neandertal skull from Huxley's *Man's Place in Nature*, Vol. 7 (1863)



#### **Artist Conceptions of Neandertal**

Image removed due to copyright restrictions.

See: <a href="http://custance.org/old/evol/3ch3/fig11.jpg">http://custance.org/old/evol/3ch3/fig11.jpg</a>

#### **Artist Conceptions of Neandertal**

Image removed due to copyright restrictions.

See: <a href="http://frankfrazetta.org/images/frank-frazetta">http://frankfrazetta.org/images/frank-frazetta</a> neanderthal.jpg

#### La Madeleine Art Objects

Image removed due to copyright restrictions.

See: <a href="http://www.donsmaps.com/madeleine.html">http://www.donsmaps.com/madeleine.html</a>

### Les Eyzies, Dordogne region, southern France

- Railroad line put through 1868
- In blasting a rock shelter: 4 skeletons found (tall, large brained, long-headed)
- Formal burial with pierced shells and other ornaments
- Called Cro-Magnon after the shelter
- Neandertal skeletons also found in that area

#### Abri de Cro-Magnon

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See: http://www.megalithic.co.uk/a558/a312/gallery/France/Aquitaine/aP5190370 Cro Magnon.JPG

### Skull, found 1868 in Abri de Cro-Magnon, Les Eyzies

Image removed due to copyright restrictions.

See: <a href="http://www.mos.org/evolution/fossils/photos/cro-magnon.jpg">http://www.mos.org/evolution/fossils/photos/cro-magnon.jpg</a>

# From John Lubbock, *Prehistoric Times* (1865)



#### From Lubbock, Prehistoric Times



#### Kent's Cavern today

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See: http://www.kents-cavern.co.uk/

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