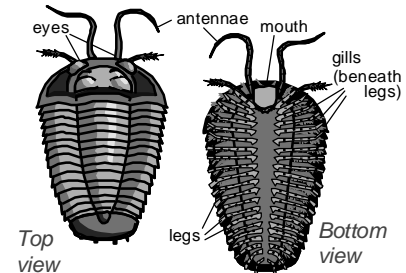
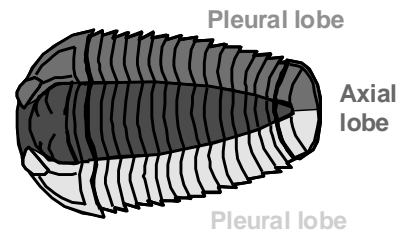


# Kentucky Geological Survey

- Trilobites are a type of extinct arthropod.
- Tri-lo-bite means three-part-body in Latin.
- Trilobite bodies can be divided into three axial (long direction) lobes.
- Trilobites can also be divided into three longitudinal parts (short direction); a head called the cephalon, an abdominal region called the thorax, and a tail region called the pygidium.



- Trilobites were covered with an exoskeleton.
- Trilobites' exoskeletons were segmented, and they could roll into balls for protection.
- Some trilobite exoskeletons were covered with spines and bumps for added protection.

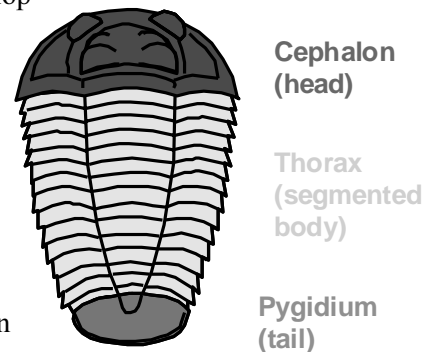


- Like many modern arthropods, trilobites shed their exoskeleton and developed a new one as they grew. This process is called molting. Most fossil trilobites are actually fossil trilobite molts. This is why fragmentary fossils are so common.

- Trilobites were the first group of animals in the animal kingdom to develop complex eyes.

- Trilobites were also one of the first organisms to develop multiple appendages for moving around.

- The oldest trilobite fossils are from the Early Cambrian Period (about 550 million years ago). The youngest are from the Permian Period (about 250 million years ago).



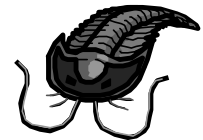
- Trilobites were most numerous and abundant at the end of the Cambrian Period (about 500 million years ago).

- Trilobites lived in marine waters.

- Some trilobites could swim, others burrowed or crawled around on muddy sea floors.

- The smallest trilobite fossils are a centimeter or less in size.

- The largest trilobites were more than 70 centimeters long.



For more information, contact Steve Greb at (859) 323-0542 or greb@uky.edu

[www.uky.edu/KGS](http://www.uky.edu/KGS)