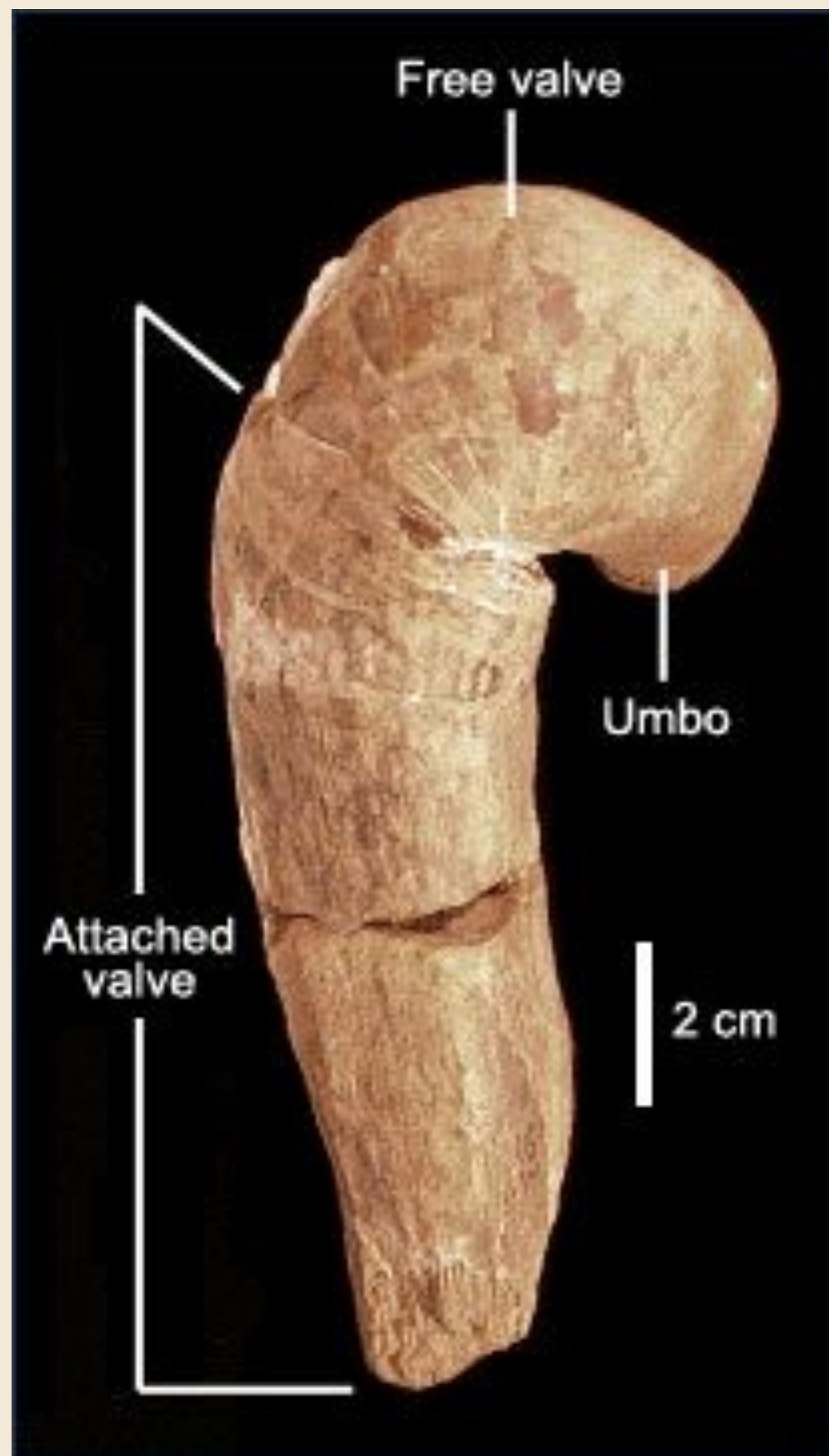


# Rudists in the Mesozoic



A relatively small rudist fossil, with an umbo and its two valves

## Basic Taxonomy

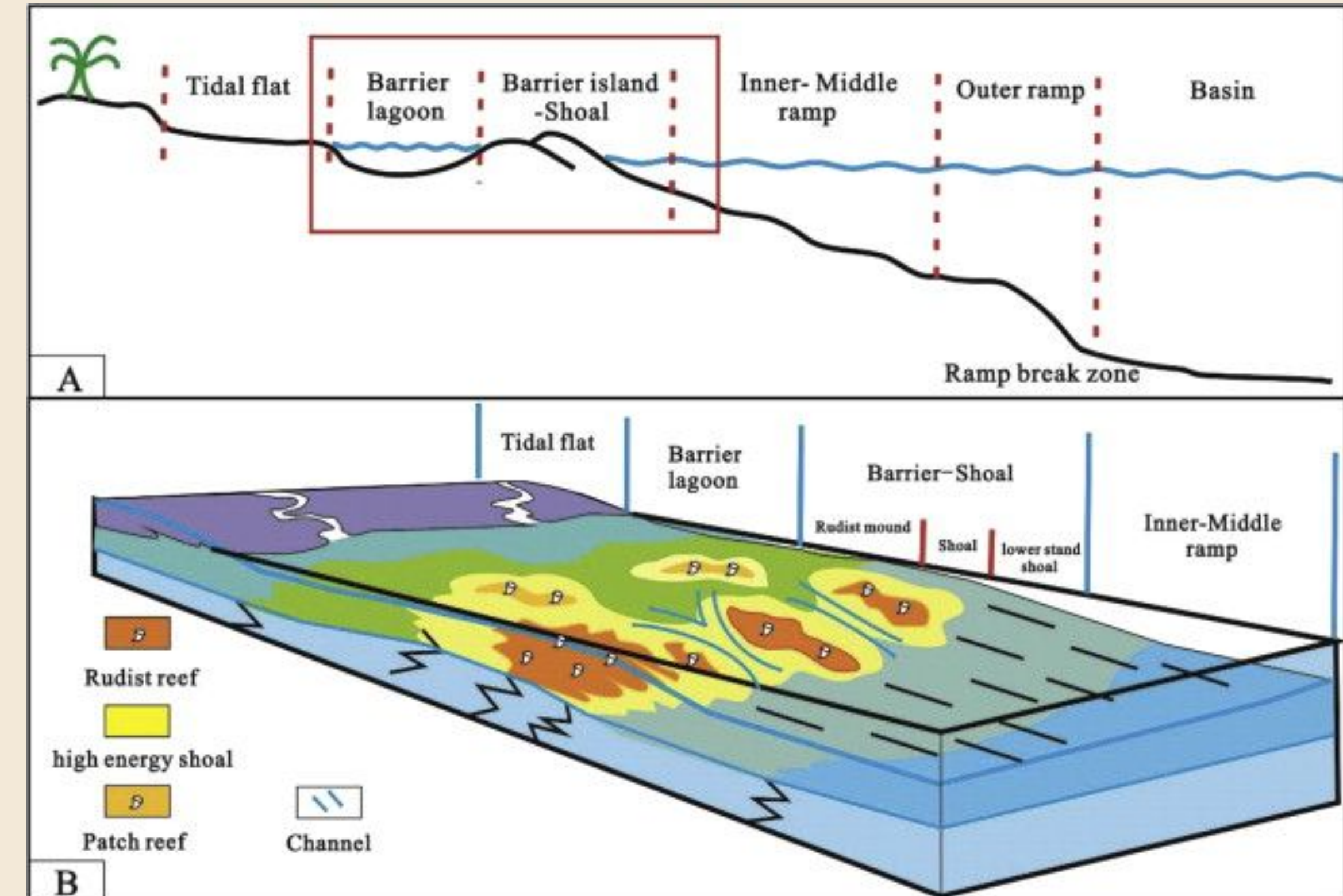
- Fossils found in limestone rocks
- Shallow oceans of low latitude
- Trap sediment between lower conical valves

## Distinctive Features<sup>[1]</sup>

- Rudist shells are made out of different minerals, such as calcite, aragonite, and chitinous<sup>[7]</sup>
- Has two asymmetric valves
- Free valve has two teeth and a socket
- Attached valve has one tooth and two sockets

## Basic Ecology

- Most successful reef builders during the Cretaceous Period
- Known to be oil traps due to high porosity
- Rudist reefs stretched from the North American coast from the Gulf of Mexico to the Maritime Provinces



Location of the Rudists environment

## Location and Time Frame

- From the Late Jurassic to Late Cretaceous
- Lived on the seafloor
- Lived in shallow marine environments and warm salty waters
- Around coral reefs and tropic areas

