

- Primitive marine gastropods



Peritonoidea

- slit in opening
- two currents for two gills

← Many morphological differences →



Trochidae



- Morphological characters

- shell (25)
- operculum
- ...
- siphon
- foot
- behavior (22)



# Chemosymbiosis

~ 45 m

- bivalve community of *Thyasira*, *Lucinoma*, *Solemya* genera
- turnover of species but genera stay there

~~near~~

- anoxic environment

Parvilacina tenuisculpta

- 3 species

Lucinacean bivalves

back to Ordovician

How were diff. kinds of chemosymbioses  
originated.