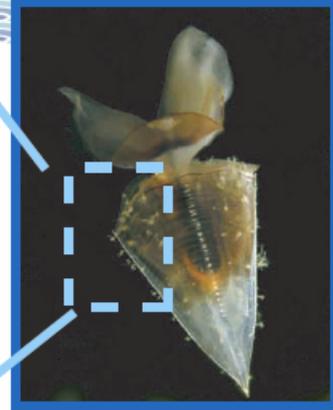
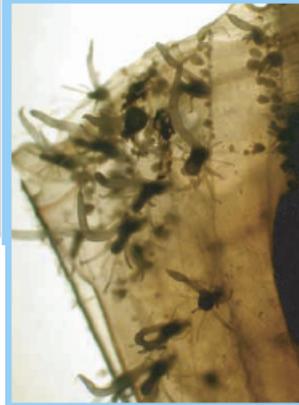


Seawater is mildly alkaline at present. Increase of CO<sub>2</sub> concentration in the atmosphere will increase the amount of CO<sub>2</sub> dissolved in the ocean and acidifies seawater by the balance of carbonic acid – bicarbonic acid – hydrogen ion.

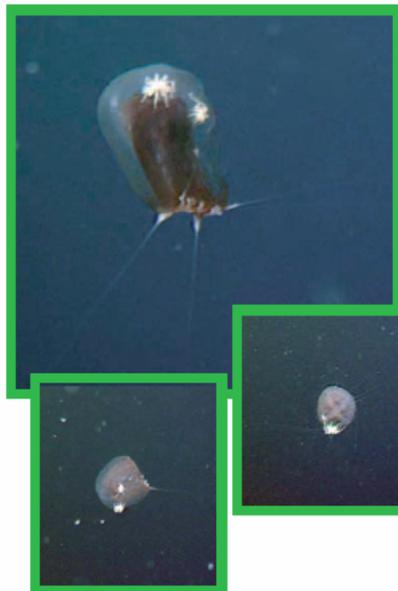


Pteropods are planktonic shellfish contained within an airplane-shaped shell made of calcium carbonate. *Pandea rubra*'s polyp attaches to the shell of this species.

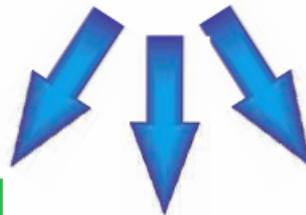
### Deeper than 500m

Adult *Pandea rubra* move to deeper water.

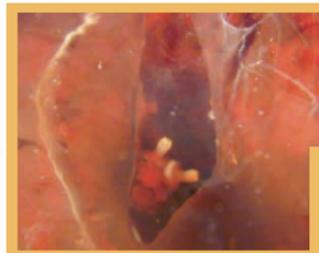
Like a paper lantern it can stretch and contract its body.



Only through in situ observations was it possible to identify pycnogonids in association with *Pandea rubra* (white color).



In situ observation image of *Pandea rubra* with amphipod attached. An amphipod.



A kind of Cuninid medusa parasitizes the umbrella of *Pandea rubra* to grow its larvae into adults.



In situ observation image of amphipod parasitizing the Cuninid medusa *Solmissus incisa*.