

Volcanoes of the Deep Sea Homework

The assignment: Write an essay of one page (350 to 500 words) summarizing the science presented in the video. Emphasize the following:

- Plate tectonic setting (type of plate boundary, etc.)
- Geographic setting (where on Earth?)
- Key players:
 1. *Paleodictyon nodosum*
 2. Dolph Seilacher
 3. Peter Rona
 4. H.O.V. Alvin and R.V. Atlantis
- Key concepts:
 1. Chemosynthesis
 2. Hydrothermal vents
 3. Mid-ocean Ridge
 4. Trace fossils

Resources you might find useful:

- Your text
- The *Volcanoes of the Deep Sea* web site at <http://www.volcanoesofthedeepsea.com>
- The *Geotimes* article (Dec. 2002) at <http://www.geotimes.org/dec02/technology.html>
- Extract from the Teacher's Guide at <http://online.geology-guy.com/votds-teach-summary.pdf>
- stageVU.com (streaming video)
- [Human Occupied Vehicle Alvin](#) (check out the specifications)
- [R/V Atlantis](#) (check out the ship schedule, and "Where is Atlantis now?")

Due 9 February, 11:59 PM (worth 20 points)

You should submit it in Blackboard, either copied into the assignment or as an attachment to the assignment.

*** acceptable electronic formats: Adobe Acrobat (PDF), Microsoft Word (.doc or .docx), OpenOffice.org Writer (.odt) or Word Perfect document (.wpd) only.