

SIOG239-20 Worksheet

Date of class: 12/8

Group number and members:

Title of paper: Mantle plumes and mantle dynamics in the Wilson cycle

In a nutshell, what is this paper about?

What are some of the main take-home messages?

Quick questions:

What is the Wilson cycle?

What do you know about mantle plumes? What about large igneous provinces?

What is a hotspot track?

Why would we have difficulties to trace the evolution of an oceanic mantle plume to more than 200 Mio years back?

Now discuss details of the paper, Post your own questions and answer them.