

Group 5 Project 3 Peer Analysis

Review by Group 3: Aiden Zelakiewicz, Sydney Petz, Justin Anderson

The report is complete, covering the introduction, methods, results, and discussion. Their introduction is well motivated, citing wanting planetary chemical abundances which are correlated to stellar chemical abundances. Their equation 1 is stated in their paper to give the equivalent width (EW), but is not actually how the EW is obtained and instead is where the EW is used. Not all of the assumptions made are clear, such as the effective temperature used to calculate the number density of ionized sodium atoms, as well as where their values came from for equation 2. The report does in fact address all of the questions posed in the project file and verify their result! Even with the couple missed details, we think Group 5 gets a 5/5 for getting sensible and consistent results with literature they found!