

Pre-Service Teachers' Conceptual Difficulties about Gravitational Force: The Case of the Free Fall Bodies

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Abstract : Research related to the student's conceptual difficulties in sciences, particularly in the field of physics, are relatively numerous. In this work, we will analyze the results of qualitative research conducted with 80 elementary preservice teachers from Quebec in Canada on their understandings after studying the free fall bodies. First, we will illustrate the paper-pencil questionnaire built for this purpose. Then we will give the analysis of the experimental data. The results show that, even though there is a continuing physics education, many misconceptions persist despite the teaching provided.

Keywords : pre-service teachers, elementary school, conceptual difficulties, free fall bodies

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