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Thai pre-service physics teachers' understanding about seeing an object

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The purpose of this study is to investigate understanding of 50 Thai pre-service physics teachers, Faculty of Education, Chiang Mai University about seeing an object. The samples in this study were collected by asking for volunteers. They were asked to answer the 4 tasks about seeing in various situations by interview, 1) seeing an object which can illuminate light by itself, 2) seeing an object reflecting light from around a light source 3) seeing an object in a dark room (light cannot pass through) and 4) seeing a beam of LASER. Their responses, in each task, are determined and classified into groups related to their understanding. The results revealed that they were confused about scientific models used for explanation of what light is. Besides, most of them still have some misconceptions about the eyes and scattering of light. All results are determined for designing an instruction that helps Thai pre-service physics teachers to have a better understanding in the topic of seeing for the future work.

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