

Students' Emotions by Joeng

Jeong, J. S., & González-Gómez, D. (2016). Students' perceptions and emotions toward learning in a flipped general science classroom. *Journal of Science Education and Technology*, 25(5), 747-758.8

8 Items

2 Dimension

Positive Emotions

Fun

Confidence

enthusiasm

Negative Emotions

tranquillit

nervousness

concern

boredom

fear

11-point Likert scale (0) lowest frequency of occurrence – (10) highest frequency of occurrence

Cronbachs α = na

Open Question: In addition, for each emotion, the participants provided a brief explanation of the score given.