

Homework–Module 1

Name:

- 1) Explain why an increase in cloud cover surrounding the earth would increase the earth's albedo, yet not necessarily lead to a lower earth surface temperature.¹

There is a 600-character limit for all questions.

- 2) Explain how the surface temperature often increases on a calm, cold night when a low cloud moves overhead.¹

¹ [Ahrens, C.D. and R. Henson \(2018\), *Essentials of Meteorology: An Invitation to the Atmosphere*, 8th Edition. 508 p.](#)