

Article one : Water found for first time on ‘potentially habitable’ planet

true

10-06-2019



Credits:ESA/UCL (https://ichef.bbci.co.uk/news/660/cpsprodpb/C56F/production/_108734505_k2-18b.png)

I - SOURCE OF THE ARTICLE WITH PUBLICATION DATE AND WORD COUNT:

Source : <https://www.bbc.com/news/science-environment-49648746>, September 12, 2019

Word count: 891

II - VOCABULARY:

Words from the text	Synonym/explanation in English	French translation
Benign	Harmless (in this case)	Bénin
Filtered through	To get sieved	Être filtré par
Dispute the claim	To challenge a finding	Contester une affirmation
Long haul	A long journey	Un long voyage
Survey	A sampling of elements used to indicate what a complete analysis might reveal	Une étude

Words from the text	Synonym/explanation in English	French translation
Perhaps	Possibly	Peut-être

III - ANALYSIS TABLE ABOUT THE STUDY:

Researchers?	Angelos Tsiaras, Ingo P. Waldmann, Giovanna Tinetti, Jonathan Tennyson & Sergey N. Yurchenko
Published in? When (if mentioned)?	25 September 2019, in Nature Astronomy
General topic	Discovery of an exoplanet with an atmosphere containing water
Procedure/what was examined	The team used the Hubble telescope. When the planet passes in front of its star (between its star and the Earth), the light passing through the atmosphere is reflected. The reflection depends on the chemical compounds in the atmosphere.
Conclusion/discovery	The team discovered that there was water in the atmosphere of this planet
Remaining questions	Maybe this planet houses life? Maybe this planet is too massive for it to happen? Maybe this planet is, in fact, a gas planet, like a small Neptune, instead of a rocky planet like the Earth or Mars?