

Article five : Water is ‘common’ on alien worlds, scientists say in finding that could transform search for extraterrestrial life

true

12-15-2019



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

Source : <https://www.independent.co.uk/life-style/gadgets-and-tech/news/alien-planet-water-extraterrestrial-life-exoplanet-sp.html>, December 11, 2019 Word count: 536

II - VOCABULARY:

Words from the text	Synonym/explanation in English	French translation
to conduct	to organize and carry out	mener/conduire (une expérience par exemple)
to gather	to come together; assemble or accumulate	rassembler
prevalence	commonness	prévalence, fréquence
array	an impressive display or range of a particular type of thing	tableau/assemblée/groupe

III - ANALYSIS TABLE ABOUT THE STUDY:

Researchers?	Nikku Madhusudhan, Luis Welbanks
Published in? When (if mentioned)?	The Independent, December 11, 2019
General topic	Water on exoplanets
Procedure/what was examined	Using a large array of telescopes (from the ground and space), a group of scientists analyzed the atmosphere of many gas giants outside of our solar system, with the hope of finding water vapor.
Conclusion/discovery	The team successfully analyzed the atmosphere of 19 gas giants. Out of these, 14 turned out having water in their atmosphere. It turns out water might be even more common in the universe than we previously thought.
Remaining questions	The planets analyzed were gas giants, between 10 and 600 times the size of the earth. They still have to do the same experiments with the much smaller rocky planets (See article 1). It is also important to take into account how much this discovery will change our understanding of how did these planets formed.