

Case Study - Hadal Ecosystems

This is based around the article:

<https://www.cnn.com/2025/08/11/science/deep-sea-discovery-hadal-trenches>

PDA: Article Questions - Please answer on your own paper and be prepared to turn it in on the day it is due.

1. What is the name of the main scientist discussed?
2. What institution does this scientist work with?
3. Where was the discovery made?
4. In what scientific journal was this discovery published?
5. What two chemicals come out of “cold seeps” and fuel the chemosynthesis of bacteria?
6. Which of these chemicals was being used by the clams and tubeworms at this site?
7. What percentage is given for the improvement on carbon sequestration compared to the almost empty seafloor surrounding these hadal ecosystems?
8. Why did Johanna Weston, of Woods Hole Oceanographic Institute, name the animal she discovered *Eurythenes plasticus*?
9. Where was this organism found?
10. What is the name of the program headed by UNESCO and the Chinese Academy of Sciences?