

Quiz 1

On the basis of your reading of the relevant literature, indicate whether the following statements are true or false and, if/when necessary, briefly document/justify your selection.

____ Figure 4A in the paper of Osborn *et al.* (2011) shows how methane concentration in drinking-water wells depends on the ratio of C-13 to C-12 in methane.

T: || (2)

F: |||| |||| |||| |||| || (22)

____ The main conclusion of the Osborn *et al.* paper (2011) is based on the finding that the average methane concentration was some 50 times higher in drinking-water samples taken from "active gas-extraction areas" than from "nonextraction sites".

T: ∅

F: |||| |||| |||| |||| |||| (24)

____ Given the importance of Figure 4B, it was more appropriate for Osborn *et al.* (2011) to cite a peer-reviewed report by Bernard, rather than Ref. 15.

T: |||| |||| |||| |||| | (21)

F: ||| (3)

____ At least one of the citing references of Osborn *et al.* (2011) contains a graph similar to Figure 4A.

T: |||| |||| |||| |||| |||| (24)

F: ∅