

What are the different types of parasitism? Give examples of different types of parasites from across the animal kingdom, including relevant adaptations by the parasite to exploit its host

Please write a balanced essay, defining the different types of parasitism and giving examples from across the range. Do not go over 2000 words.

Reading list:

Ruppert, E. E., Fox, R. S. And Barnes, R. D. 2004. Invertebrate Zoology (7th Ed). Brooks/Cole.

Relevant information found in chapters 21, 22 and 10. Further examples found in chapters 3, 13, 18, and 19.

Alternatively use any other course text in invertebrate biology (see weblearn).

For a more in depth coverage:

Bush, A. O. *et al.* 2001. Parasitism: the diversity and ecology of animal parasites. Cambridge.

Further reading, not covered in text books:

<http://www.nature.com/scitable/knowledge/library/social-parasitism-in-ants-13256421>

Akino, T., *et al.* 1999. Chemical mimicry and host specificity in the butterfly *Maculinea rebeli*, a social parasite of the *Myrmica* ant colonies, *Proceedings of the Royal Society B*, 266, pp. 1419-1426.

Vollrath, F., (1979), Vibrations: Their signal function for a spider kleptoparasite, *Science*, 205 (4411), pp. 1149-1151.

Winfree, R. 1999. Cuckoos, Cowbirds and the persistence of brood parasitism, *TREE*, 14 (9), pp.338- 343.