

SELECTED REFERENCES

Misconception References

Bishop BA, Anderson CW. Student conceptions of natural selection and its role in evolution. *J Res Sci Teach.* 1990;27:415–27

Brumby MN. Misconceptions about the concept of natural selection by medical biology students. *Sci Educ.* 1984;68(4):493–503

Lawson AE, Thompson LD. Formal reasoning ability and misconceptions concerning genetics and natural selection. *J Res Sci Teach.* 1988;25(9):733–746.

Nehm RH, Reilly L. Biology majors' knowledge and misconceptions of natural selection. *Bioscience.* 2007;57:263–72.

http://evolution.berkeley.edu/evolibrary/misconceptions_faq.php

Concept Inventory References

Anderson DL, Fisher KM, Norman GJ. Development and evaluation of the conceptual inventory of natural selection. *J Res Sci Teach.* 2002;39(10):952–78.

D'Avanzo C. Biology concept inventories: overview, status, and next steps. *Bioscience.* 2008;58(11):1079–85.

Garvin-Doxas K, Klymkowski MW. Understanding randomness and its impact on student learning: lessons learned from building the biology concept inventory. *CBE Life Sci Educ.* 2008;7:227–33.

Remedy References

Abraham JK, Meir E, Perry J, Herron JC, Maruca S and Stall D, 2009. Addressing Undergraduate Student Misconceptions about Natural Selection with an Interactive Simulated Laboratory. *Evolution: Education and Outreach.* Springer. Online 10 July 2009

Heitz, JG, Cheetham JA, Capes, EM, Jeanne RI, 2010. Interactive Evolution Modules Promote Conceptual Change. *Evolution Education Outreach.* Springer. Online 11 March 2010.

Jean DeSaix NEScent Workshop June 23, 2010
jdesaix@email.unc.edu