

Study Questions -- Temperature Lecture

Describe some evolutionary factors (e.g., latitude, age) that alter the low (or upper) thermal tolerance of ectotherms?

Why are extremely low (or high) temperatures physiologically detrimental to animals?

What is the difference between freeze tolerance and freeze avoidance? Which of these two adaptations would an animal use if it needed to be active in cold weather?

Why is developmental temperature such an important variable to organisms? How do the thermal tolerances of juveniles and adults compare?