Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Impacts of climate warming on terrestrial ectotherms across latitude (Deutsch et al., 2008)

Focus questions

1. Which latitudinal region (Polar, Continental, Temperate, Dry, Tropical – See <https://scijinks.gov/climate-zones/> for additional definition, if needed) experiences the greatest magnitude of temperature variation?
2. Which latitudinal region contains species that are at the greatest risk of population decline or extinction due to climate warming?
3. Why are ectotherms more likely to be vulnerable to climate warming than endotherms?
4. How is ‘warming tolerance’ defined? What variables are used to calculate the ‘warming tolerance’ of a species?
5. How is ‘thermal safety margin’ defined? What variables are used to calculate the ‘thermal safety margin’ of a species?
6. What are four ways animals may mitigate the negative effects of climate warming? How do they differ from one another?