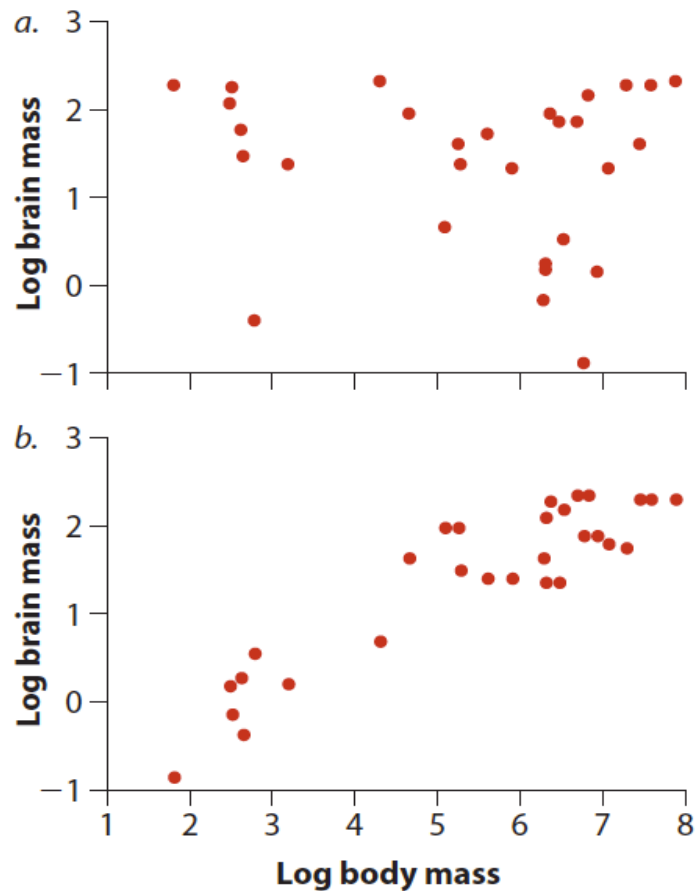### Module 5F Questions:

1. Of the two scatter plots shown, one represents the real relationship between body size and brain size for 29 species of dinosaur and the other shows the first randomized data set created from that same data.

   Which do you think is the real data and why?

   A. ***Top***

   B. ***Bottom***

2. When you compare the actual B6 glucose difference (Chow vs HFD) to the differences generated by permuting diet labels, does the real difference stand out as unusually extreme? Explain what the plot suggests.
   Permutation based null Distribution:

Permutation-Based Null Distribution for B6 Diet Effect on Glucose12
Vertical line = observed difference