**Invert Zoo Group Assignment: Phylogenetic Trees**

*Both have amniotic eggs*

*Birds*

*Reptiles*

Names of group members:

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Using information from your notes, construct a phylogenetic tree that shows a possible evolutionary relationship Molluscs, Sipunculans, Annelids, Phoronids, Brachiopods, Bryozoans, and Entoprocts. Indicate at each node of branching on your tree the evidence for why you represented the relationship of these phyla as you did (see example in upper right- hand corner of page). Resolve any unresolved trichotomies in your tree (i.e. you must decide and justify who is more closely related to who and justify your decision).

Propose one possible change (alternative branching) and indicate the evidence for this.