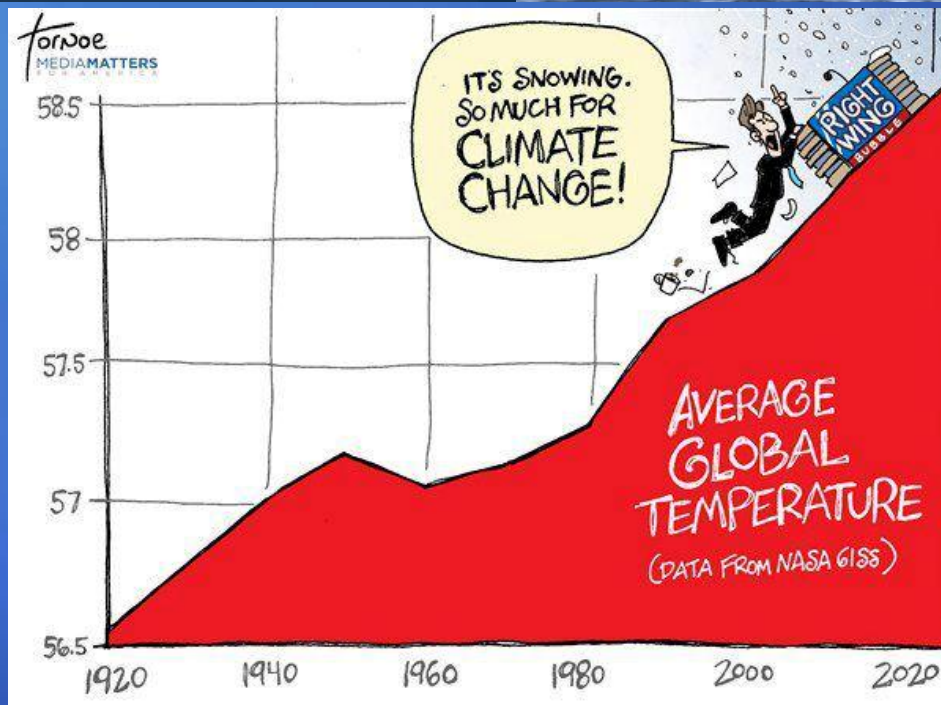


# Argument Driven Inquiry, Clickers and other “Data Rich” Activities in an Oceanography Lecture Course

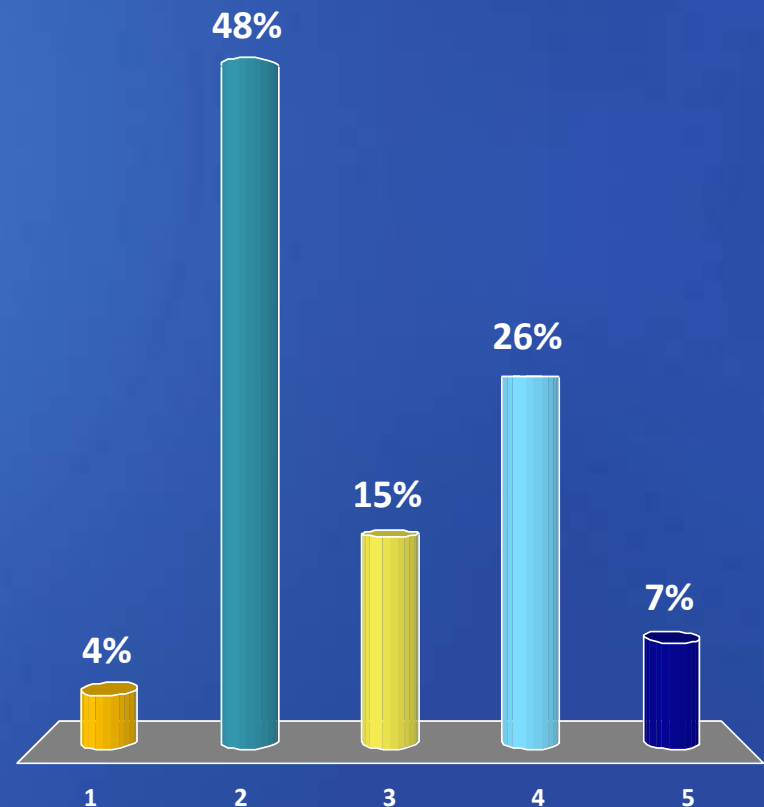
Robert Lutz - Tallahassee Community College,

# Why Scientific Argumentation?



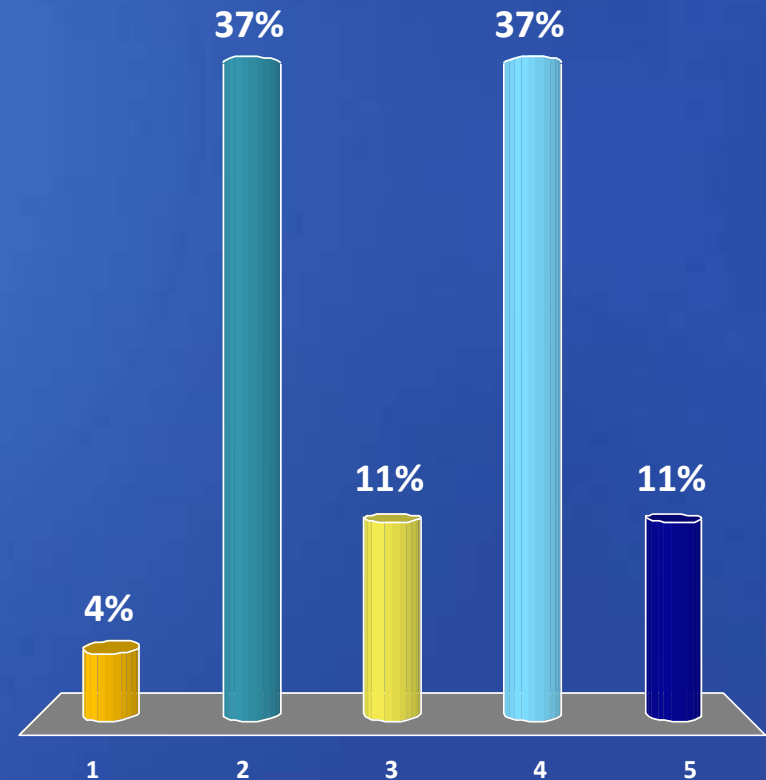
# Do you think Megalodons exist in the oceans today?

1. Yes absolutely.
2. Its likely.
3. I'm not sure.
4. Its unlikely.
5. Absolutely not.



# Do you think Megalodons exist in the oceans today?

1. Yes absolutely.
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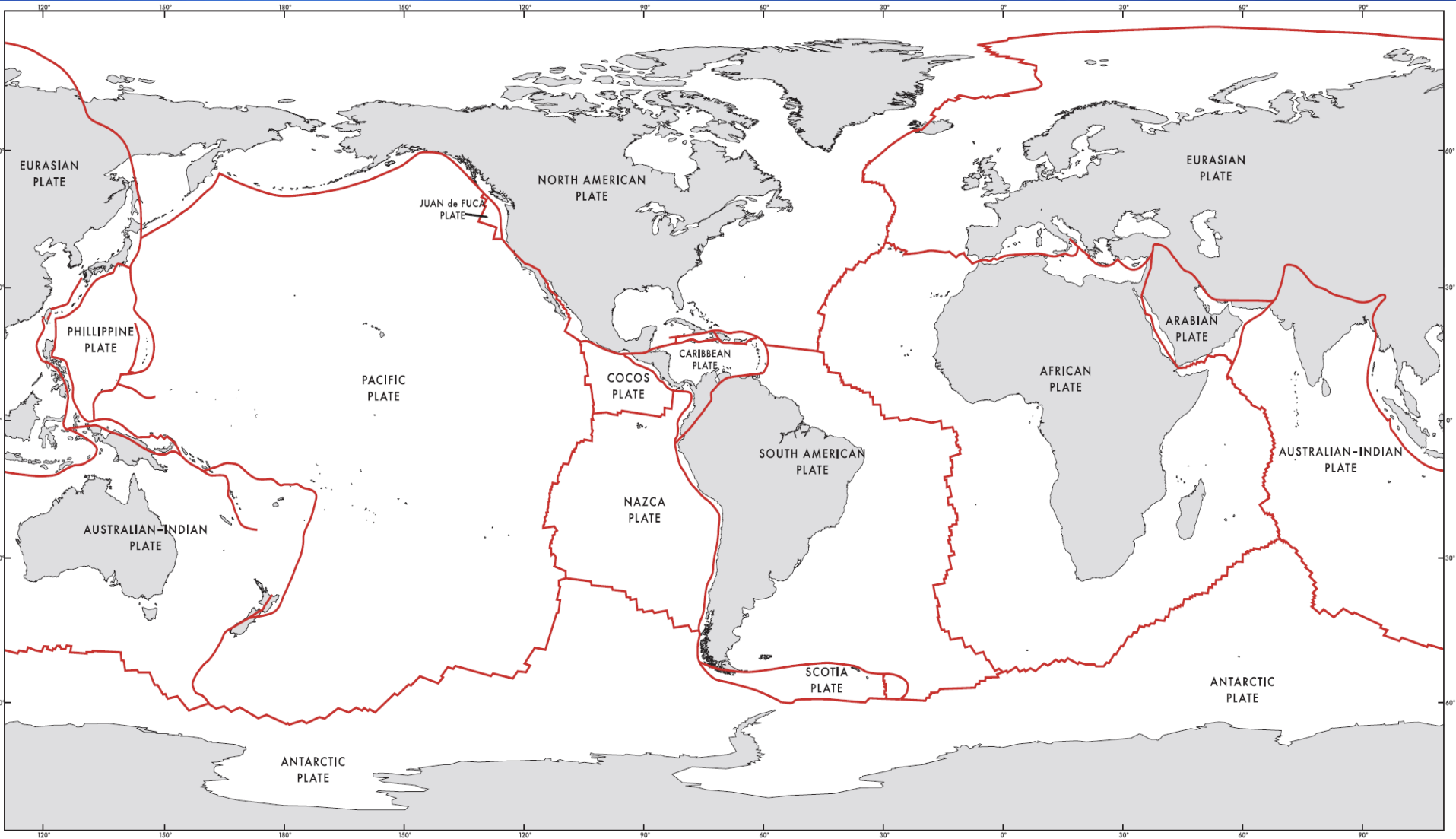
Argument Driven Inquiry is a new approach to instruction that gives students opportunities to use scientific ideas and concepts to create scientific explanations based on evidence.

Sampson and Gleem (2009)





# Sawyer et. al. Data Rich Activity



# References

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- Golden, B.W., & Balinsky, M. (2013). Using argumentation about historical climate Data to learn about climate change. Presented at the National association for Research in Science Teaching Conference, March 2013, Puerto Rico.
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