

Questions to be answered based on sagging wire demonstration:

1. If the wire sags, the mass moves down. Does that mean that the wire is getting longer or shorter?
2. What is happening to the length of the wire if the mass moves back up?
3. If the wire sags, are its particles getting farther apart or closer together? Explain why they would do this (think particle theory and their motion).
4. Relate this problem to why it may be a concern that the temperature of the oceans may increase with global warming.