Investigation Directions: Possible causes of sea level rise

Warming water:

1. Turn on the heat lamp.
2. Note the water level in the test tube. If you can't see the top of the water, it is at the top of the test tube and below the small glass tube coming out of the top.
3. Place the test tube as close as you can to the heat lamp with the light shining on the water in the test tube, not the tube at the top.
4. Note the water level in the test tube after 2 minutes. Has it risen? Stayed the same? Fallen? Note the level again after a few more minutes (up to 10 minutes).

Melting land ice:

1. Turn on the heat lamp.
2. Select the cup with the rock at the bottom. Make sure the rock is sticking out of the water.
3. Use a piece of tape to mark the top of the water in the cup. Line up the top of the tape with the top of the water.
4. Place one or two ice cubes on top of the rock, making sure that no part of the ice is in the water.
5. Move the cup under the heat lamp with the heat lamp as close to the cup as possible.
6. Note the water level in the cup after 2 minutes. Has it risen? Stayed the same? Fallen?

Melting sea ice:

1. Turn on the heat lamp.
2. Select the cup with just water and no rock
3. Place one or two ice cubes in the cup.
4. Use a piece of tape to mark the top of the water in the cup. Line up the top of the tape with the top of the water.
5. Move the cup under the heat lamp with the heat lamp as close to the cup as possible.
6. Note the water level in the cup after 2 minutes. Has it risen? Stayed the same? Fallen?