## *Orlando: a Biography Phenology & Global Climate Change*

## Pre-post Assessment:

What is the difference between weather and climate?

*Short answer:* key words for auto-grading: “long-term” or “average”

How is Earth’s climate changing right now?

1. Average global temperature is cooling
2. Average global temperature is warming quickly
3. Average global temperature is warming slowly
4. Temperature is steady

What can make Earth’s temperature increase?

1. Adding more greenhouse gases to atmosphere
2. Changing reflectivity of Earth’s surface
3. Sun emitting more radiation
4. All of the above

Why is Earth’s climate warming now?

*Short answer:* key words for auto-grading: “human\*” AND “greenhouse gases” OR “carbon dioxide”

What does it mean that there is “scientific consensus” that global warming is caused by humans?

1. Just over 50% of all climate research affirms this point
2. The overwhelming majority of climate research affirms this point
3. There are just a few climate scientists, and they agree on this point

What can we do to slow global warming and climate change?

1. Nothing, we are helpless
2. Reduce greenhouse gas emissions a little
3. Reduce greenhouse gas emissions substantially

How can we reduce greenhouse gas emissions?

1. Institute a national carbon control policy like “cap-and-trade” or a “carbon tax”
2. Reduce the energy we use at home and at work/school
3. Advocate for climate-friendly purchases and decisions
4. All of the above

Short answer: How will global warming likely affect (insert appropriate geographic location: Minnesota, United States, other countries)?