

Class 15b: Global climate change

Greenhouse effect

- Natural warming effect

What is global warming?

- Global = worldwide, not universal
- “Global climate change” more accurate

Climate research

- How do we know about past climates?

Is global warming happening?

Is global warming unusual?

What's causing global warming?

What's causing global warming?

How much more warming?

- 2.5° - 10°F by 2100; 5.4°F at current emission rates

So what for the weather?

- More climatic variability

So what for ecosystems?

- Northward climate shift of 90-350 miles

So what for the oceans?

- Thermal expansion of warmer water
- Melting ice sheets, glaciers

So what for the oceans?

So what for cities?

So what for countries?

Politics of global warming

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