

Name: _____

Date: _____

UCAR Simple Climate Model Observation Tracker

Instructions: Use the table below to do the following:

- Record changes to the emissions rate you think will help with the carbon imbalance.
- Record your predictions.
- Run the simulation and record your observations of the graphed data.

Change to emissions rate	Gigatons of carbon	Prediction of the effects on temperature and CO ₂ concentration	Observations of the graphed data through 2100
Eliminate all carbon emissions.	0		
Cut emissions in half.	5.2		

What amount of emissions needs to be cut to reduce global temperatures? _____

What happens to the temperature and amount of atmospheric carbon dioxide if we get rid of all carbon emissions? Is this a realistic goal? Why or why not?
