

Greenhouse Effect Worksheet

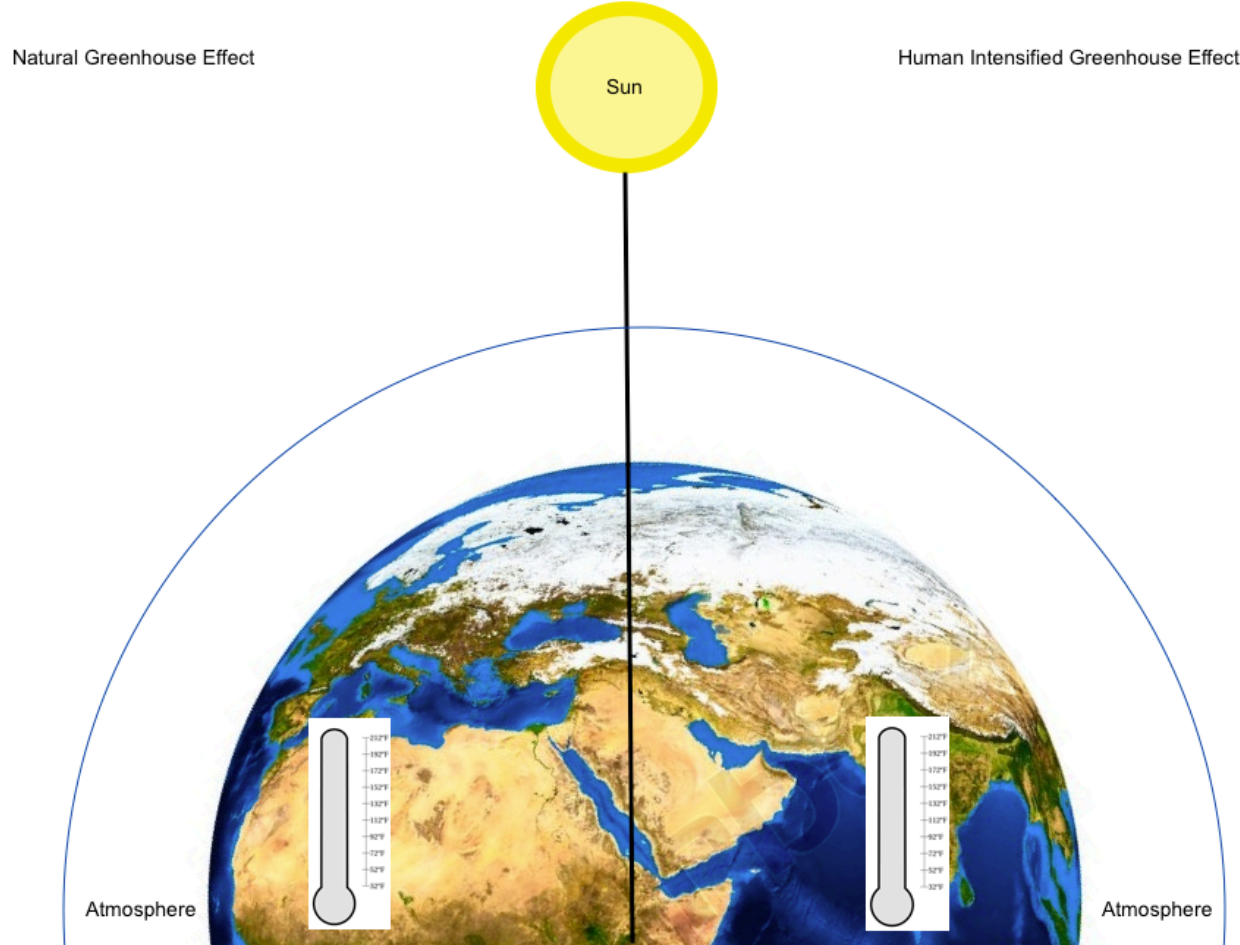
What is the effect of solar radiation on Earth with changed levels of greenhouse gases?

On the left (Natural Greenhouse Effect)

- Color a band of greenhouse gases in the atmosphere. Label with the names of greenhouse gases.
- Show, using arrows, shortwave light radiation and longwave heat radiation.
- Color the thermometer to reflect the temperature of the earth with the natural greenhouse effect.

On the right (Human Intensified Greenhouse Effect)

- Color a band of greenhouse gases in the atmosphere- think about how the size will differ from the natural greenhouse effect. Label with the names of greenhouse gases.
- Show, using arrows, shortwave light radiation and longwave heat radiation. How will it differ from the natural greenhouse effect?
- Color the thermometer to reflect the temperature of the earth with the human intensified greenhouse effect.



Teacher reference – one possible correct way of drawing the model.

