

Section:Intergovernmental Panel on Climate Change6

Context: The executive summary of the WG I Summary for Policymakers report says they are certain that emissions resulting from human activities are substantially increasing the atmospheric concentrations of the greenhouse gases, resulting on average in an additional warming of the Earth's surface. They calculate with confidence that CO₂ has been responsible for over half the enhanced greenhouse effect. They predict that under a "business as usual" (BAU) scenario, global mean temperature will increase by about 0.3 C per decade during the [21st] century. They judge that global mean surface air temperature has increased by 0.3 to 0.6 C over the last 100 years, broadly consistent with prediction of climate models, but also of the same magnitude as natural climate variability. The unequivocal detection of the enhanced greenhouse effect is not likely for a decade or more. CANNOTANSWER

STUDENT: **What does the WG I Summary for Policymakers report say human activities are doing to greenhouse gases?**

TEACHER: ⇨ "" (substantially increasing the atmospheric concentrations)

STUDENT: **What do increased greenhouse gases cause?**

TEACHER: ⇨ "" (additional warming of the Earth's surface)

STUDENT: **How much of the greenhouse effect is due to carbon dioxide?**

TEACHER: ⇨ "" (over half)

STUDENT: **What is the scenario called in which we don't change our greenhouse gas creation practices?**

TEACHER: ⇨ "" ("business as usual" (BAU))

STUDENT: **How much has global mean surface air temperature changed in the last century?**

TEACHER: ⇨ "" (increased by 0.3 to 0.6 C)

STUDENT: **What summary says that human activity is responsible for the earths cooling?**

TEACHER: ⇨ "" (CANNOTANSWER)

STUDENT: **How much are CO2 levels expected to increase under the business as usual scenario?**

TEACHER: ⇨ "" (CANNOTANSWER)

STUDENT: **How much are CO2 levels expected to increase over the next 100 years?**

TEACHER: ⇨ "" (CANNOTANSWER)

STUDENT: **What do climate models predict will increase by as much as 0.6 degrees C in the next 100 years?**

TEACHER: ⇨ "" (CANNOTANSWER)

STUDENT: **When will enhanced greenhouse effect reach alarming levels?**

TEACHER: ⇨ "" (CANNOTANSWER)