



Topic/Objective CHAPTER: //

NAME:

Pd: 1 2 4 5 other

DATE

Greenhouse

Essential Question

What is the Greenhouse Effect?

Cue: Review:

Thoughts: Main Idea

Video:

Greenhouse

NOTE Taking AREA:

What is the greenhouse effect?

↳ a building which helps grows things by trapping

Sunlightinside. *Solar radiation Trapped.*

Inside the greenhouse

↳ Sunlight enters and is absorbed by plants and soil, while some is reflected by the glass as invisible heat radiation.↳ as a result Temperature rises inside the greenhouse.↳ The Sun is the source of the energy

How is this Like Earth?

↳ our Atmosphere acts the same way

↳ w/o this Greenhouse Effect ave. temp would be about -18°C (-0.4°F)↳ w/ Greenhouse effect our ave Temp 15°C (59°F)↳ w/o it ⊕ would be cooler @ poles and hotter at the equator.

How is ⊕ surface heated

↳ by U.V. Rays and the atmosphere which traps in the heat.

NOTES CONTINUE ON OTHER SIDE



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NOTE Taking AREA:

what happens
to Sunlight
when it enters
the Atmosphere

- 1) Sunlight^{which contains U.V. rays} enters our atmosphere.
- ↳ Some is absorbed by Atmo (19%)
 - ↳ Some is reflected by clouds (34%)
 - ↳ Particles in the air reflect part back to earth.
 - ↳ Some is absorbed by the ground (47%)

what
Contributes
to Greenhouse
effect?

- ↳ humans contribute to this by producing alot of CO_2 CH_4 N_2O
Carbon dioxide methane Nitrous oxide

↳ This will send heat back towards the planet not allowing to escape

↳ H_2O vapor contributes to the heating

Planet
Venus

- ♀ has what is called Run Away Greenhouse Effect which the Ave Temp of the planet is 900°F (482.2°C) hot enough to melt lead.

How the

SUMMARY:

Green house ① Both green house & Atmosphere get energy from sun, in the form of Sunlight which is absorbed & released as infrared radiation

- ② ↳ greenhouse has glass walls to trap radiation
⊕ gases & clouds trap the radiation