Topic/Objective CHAPTER: 11

Greenhouse

NAME:

Pd: 1 2 4 5 other

DATE

Essential Question

What is the Greenhouse EFFect?

Cue: Review: Thoughts: Main Idea

Video!

Greenhouse

Inside the greenhouse

how is this Like Earth?

How is ⊕ surface heated

NOTE Taking AREA:

what is the greenhouse effect?

↳ a building which helps grows things by trapping ~~Trapping~~ Sunlight inside.

↳ Sunlight enters and is absorbed by plants and soil, while some is reflected by the glass as invisible heat radiation.

↳ as a result Temperture rises inside the green house.

↳ The Sun is the source of the energy

↳ 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.

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

NOTES CONTINUE ON OTHER SIDE

Topic/Objective CHAPTER:	NAME:
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Cue: Review: Thoughts: Main Idea

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 (Carbon dioxide) CH_4 (methane) N_2O (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 enought to melt lead.

How the Greenhouse & ⊕ compare

SUMMARY:

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

② ↳ greenhouse has glass walls to trap radiation

⊕ gases & clouds trap the radiation