

Naked Planet Video: *Our Atmosphere*

Name: _____ Period: _____ Date: _____

1. What did Joe Kittinger do that was so famous and so deadly? Why was it deadly?
2. Why did Earth's atmosphere not become like Venus's atmosphere? In other words, where is most of the carbon dioxide on Earth stored?
3. Where did the original gases for Earth's atmosphere come from?
4. How long ago did atmospheric oxygen appear on the Earth?
5. What microbes were responsible for producing the original oxygen on our planet?
6. What is responsible for producing our atmospheric oxygen today?
7. How does the process of photosynthesis produce atmospheric oxygen? What happens to carbon dioxide in the process? Write out the chemical equation for photosynthesis to explain this.
8. How does the atmosphere and the ocean transfer heat from the equator to the poles?

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9. How does the atmosphere transfer water and water vapor throughout the planet?
 10. What are the atmospheric mixtures of air that the video describes?
 11. How are humans altering the delicate balance of gases in the atmosphere?
 12. Where does the atmosphere end and space begin?
 13. What layer of the atmosphere do we live in?
 14. From lowest to highest, what are the names of the layers above the troposphere?
 15. What causes air pressure?
 16. What are the health hazards of living or going to high altitude locations?
 17. What is the name of the layer that shields us from most of the damaging ultraviolet rays?
 18. What have humans done that has caused destruction of the layer that protects us from damaging ultraviolet rays?
 19. How does our atmosphere protect us from meteoroid impacts?
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