

## The Atmosphere!! Bill Nye style...

Name: \_\_\_\_\_ Core: \_\_\_\_\_ Date: \_\_\_\_\_

1. We live in an \_\_\_\_\_ of air!
2. If we thought of the atmosphere as an ocean of air, we would live at the \_\_\_\_\_.
3. The atmosphere is \_\_\_\_\_ km thick.
4. What would happen if the Earth had no atmosphere?

5. The atmosphere keeps the Earth \_\_\_\_\_.
6. The atmosphere protects the Earth from \_\_\_\_\_ and \_\_\_\_\_.
7. It is from the Moon's \_\_\_\_\_ that our atmosphere was formed.

### \*\*\*The 5 layers of the atmosphere are

8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. The lower the atmospheric pressure, the \_\_\_\_\_ you are in the sky or on land.
14. Why do your ears always pop in an airplane?

15. When boiling water at higher altitudes, it takes a longer/shorter time to boil.
16. In Death Valley, CA, the air pressure is \_\_\_\_\_, meaning there is more air pushing down on you.
17. Air pressure increases/decreases at higher altitudes. (Circle one)
18. The \_\_\_\_\_ is where we live (a layer of the atmosphere).
19. Why is it always colder on a mountain top as opposed to a city lower in altitude?

20. The atmosphere is \_\_\_\_\_ billion years old.

21. When an atmosphere keeps a planet warm, we call that the \_\_\_\_\_.

22. How is a greenhouse similar to the atmosphere?

23. Without the atmosphere, the Earth would be very \_\_\_\_\_ at night, and very \_\_\_\_\_ during the day.

24. The higher you are in the atmosphere, the air is \_\_\_\_\_ making it difficult to breathe.

25. The \_\_\_\_\_ is the layer of the atmosphere where we have weather.