

Name _____

Bill Nye: Atmosphere
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1. The atmosphere is _____!
2. We live in an _____ of air.
3. The atmosphere is _____ km thick.
4. What would happen if the Earth has no atmosphere, as in no air?

5. The atmosphere keeps Earth _____.
6. The atmosphere protects Earth from _____ and _____.
7. It is mainly from the _____ that our atmosphere was formed.
8. The 5 layers of the atmosphere are:
 - _____
 - _____
 - _____
 - _____
 - _____
9. The lower the atmosphere pressure, the _____ you are on land or sky.
10. At Death Valley in California, the air pressure is _____, meaning there is more air over your head.
11. Why do your ears always pop on an airplane?

12. When boiling water at a high altitude, it _____ take as long to boil.
13. How much does the atmosphere weigh in kilograms?

14. The thermosphere blocks deadly _____ radiation.
15. The _____ is responsible for the weather, rain or snow.
16. We live in the _____, a level of the atmosphere.
17. Why are mountain tops colder than the temperature in the city?

18. When the atmosphere keeps Earth warm, it is called the _____ effect.
19. How thick is the troposphere?
20. The higher you go in the atmosphere, the LESS air there is available to breathe.

Name _____KEY_____

Bill Nye: Atmosphere – Answer Key

1. The atmosphere is _____THICK ENOUGH FOR US TO BREATH_____!
2. We live in an ____AN OCEAN OF AIR____ of air.
3. The atmosphere is _____10_____ km thick.
4. What would happen if the Earth has no atmosphere, as in no air?
- WE WOULDN'T BE ABLE TO BREATH
- IT WOULD BE VERY COLD
5. The atmosphere keeps Earth _____WARM_____.
6. The atmosphere protects Earth from ____COMETS_____ and ____METEORS_____.
7. It is mainly from the ____VOLCANIC GASES_____ that our atmosphere was formed.
8. The 5 layers of the atmosphere are:
 - TROPOSPHERE
 - STRATOSPHERE
 - MESOSPHERE
 - THERMOSPHERE
 - EXOSPHERE
9. The lower the atmosphere pressure, the ____HIGHER____ you are on land or sky.
10. At Death Valley in California, the air pressure is ____VERY HIGH____, meaning there is more air over your head.
11. Why do your ears always pop on an airplane?
THE PRESSURE BETWEEN THE INNER AND OUTER PART OF THE EAR EQUALIZES
12. When boiling water at a high altitude, it ____DOESN'T____ take as long to boil.
13. How much does the atmosphere weigh in kilograms? 150kg
14. The thermosphere blocks deadly ____GAMMA____ radiation.
15. The ____TROPOSPHERE____ is responsible for the weather, rain or snow.
16. We live in the ____TROPOSPHERE____, a level of the atmosphere.
17. Why are mountain tops colder than the temperature in the city?
IN THE MOUNTAINS, THE AIR IS THINNER AND DOESN'T PROVIDE US WITH AS MUCH HEAT
18. When the atmosphere keeps Earth warm, it is called the ____GREENHOUSE____ effect.
19. How thick is the troposphere? 10KM
20. The higher you go in the atmosphere, the ____LESS____ air there is available to breathe.