

Name: _____

Next to the statement, write TR=Troposphere, ST=Stratosphere, ME=Mesosphere, TH=Thermosphere, EX=Exosphere

1. This layer contains the OZONE LAYER which is formed by ozone molecules.
2. This layer is the CLOSEST layer to the Earth's surface.
3. This layer is from 50km to 85km (30 miles to 50 miles) above Earth's surface.
4. A space shuttle would be found in these 2 layers.
5. An airplane would be found flying in these 2 layers.
6. This layer is considered outer space.
7. This is the part of the atmosphere that contains the air we breathe.
8. This is the hottest part of the atmosphere.
9. This layer is 85km to 500km (50 miles to 300 miles) away from the Earth's surface
10. This layer is 10km to 50km (6 miles to 30 miles) away from the Earth's surface
11. Rain, snow and clouds occur in this layer.
12. 99% of the water vapor and 75% of the atmospheric gases are found in this layer.
13. Meteors and shooting stars occur in this layer.
14. These 2 layers are considered lower layers of the atmosphere.
15. These 3 layers are considered upper layers of the atmosphere.
16. The ionosphere, a layer of electronically charged particles that picks up and transmits radio waves, is found in these 2 layers.
17. This layer has the least mass and air pressure because of the lack of air molecules.
18. This layer begins at the Earth's surface and goes to about 10km (6 miles) away.
19. This layer has the greatest air pressure because there are the most atoms/molecules here.
20. A satellite would be found orbiting in this layer.
21. This is the biggest layer and blocks gamma rays from the sun with its special gas molecules.
22. This extremely cold layer destroys meteors.