

Directions: Use page 11 in your ESRT's to answer the following questions.

1. Which of the three spheres is the troposphere? _____
2. Which of the three spheres is the crust? _____
3. What parts of Earth includes oxygen? _____

4. What part of Earth includes hydrogen? _____
5. What part of Earth includes the highest percent of oxygen? _____
6. What is the most abundant element in the crust? _____
7. What is the most abundant element in the hydrosphere? _____
8. What is the most abundant element in the atmosphere? _____

Use page 14 of your ESRT's to answer the following questions 9 -27.

9. Name the three different graphs that are a part of "Selected Properties of Earth's Atmosphere."
 - a. _____
 - b. _____
 - c. _____
10. Look at altitude. What is the interval on the kilometers side? _____
11. Look at altitude. What is the interval on the miles side? _____

Directions: Altitude Practice –Look at the layers of the atmosphere and write in the appropriate altitude.

12. The troposphere begins at _____ km and ends at _____ km.
13. The troposphere begins at _____ mi and ends at _____ mi.
14. The stratosphere begins at _____ km and ends at _____ km.
15. The stratosphere begins at _____ mi and ends at _____ mi.
16. The mesosphere begins at _____ km and ends at _____ km.
17. The mesosphere begins at _____ mi and ends at _____ mi.
18. The thermosphere begins at _____ km and ends at _____ km.
19. The thermosphere begins at _____ mi and ends at _____ mi.
20. What is the thinnest layer of Earth's atmosphere? _____

Directions: Temperature Practice – Fill the first blank with increasing or decreasing.

Write the starting and ending temperatures in the second and third blanks.

21. As altitude increases temperature in the troposphere is _____.

The temperature begins at _____ and ends at _____.

22. As altitude increases temperature in the stratosphere is _____.

The temperature begins at _____ and ends at _____.

23. As altitude increases temperature in the mesosphere is _____.

The temperature begins at _____ and ends at _____.

24. As altitude increases temperature in the thermosphere is _____.

The temperature begins at _____ and ends at _____.

Directions: Pressure and Water vapor – Use Atmospheric pressure graph and Water vapor graph to answer the following questions.

25. As you increases altitude, pressure _____

26. What is the only layer that contains water vapor? _____

27. What happens to water vapor in the _____ as altitude increases?