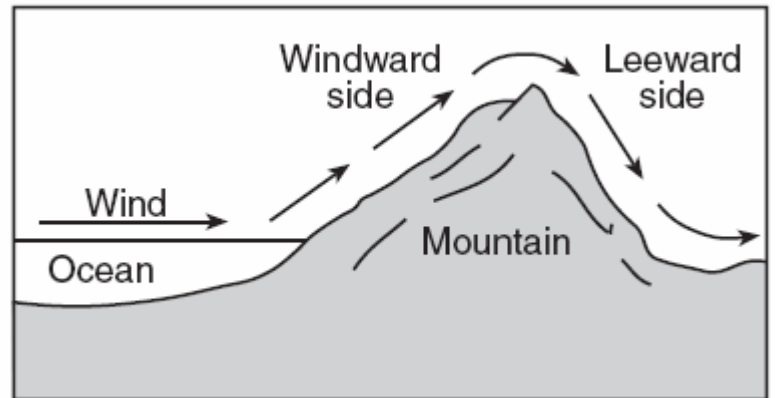


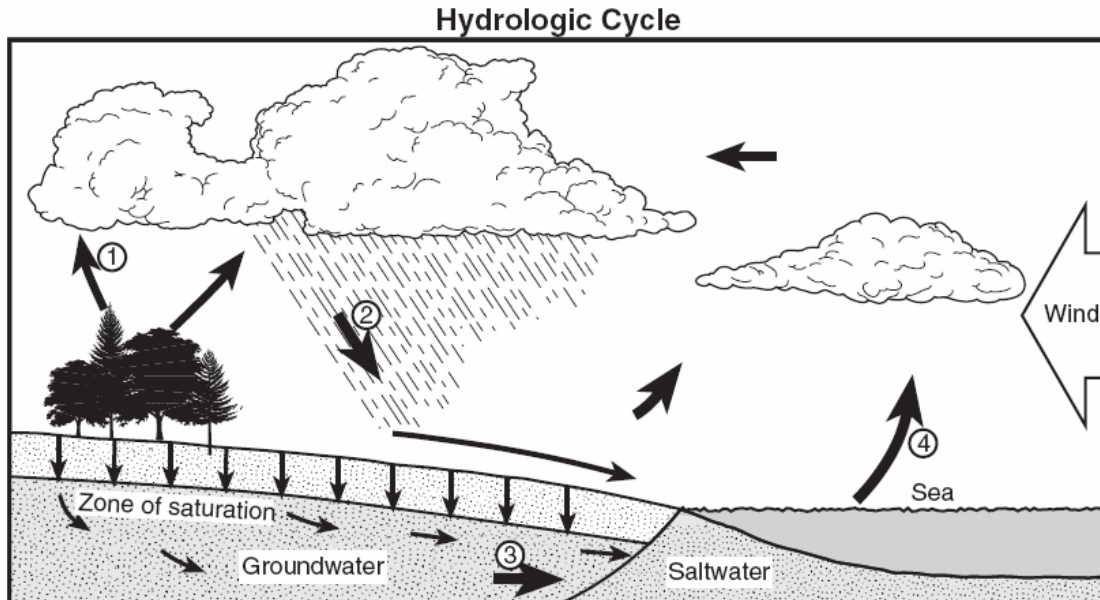
Climate Review

Use the picture to the right to answer questions 1-2.

1. How does the climate on the windward side differ from the climate on the leeward side?
2. Label Seattle and Spokane on the map.

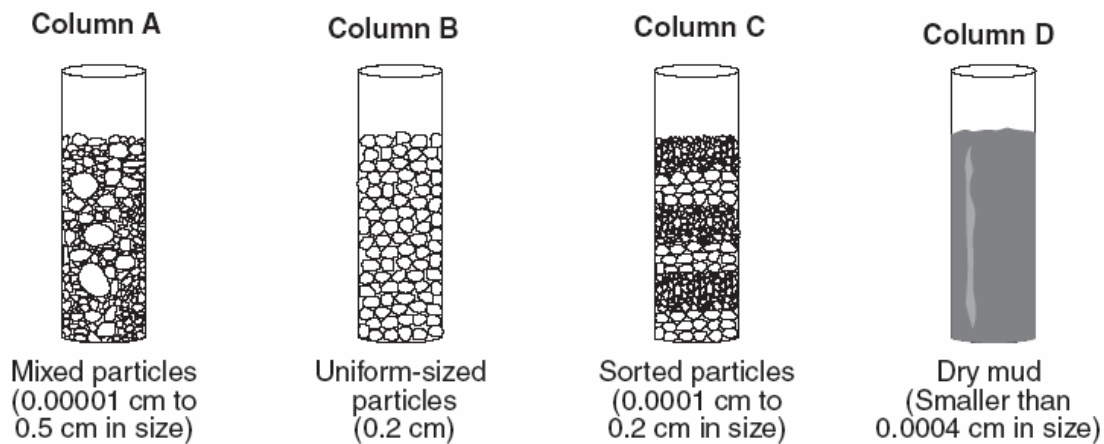


Use the diagram below to answer questions 3-7.



3. Which number is precipitation?
4. Which number is evaporation?
5. Which number is transpiration?
6. Label the water table on the diagram.
7. Describe the process of cloud formation.

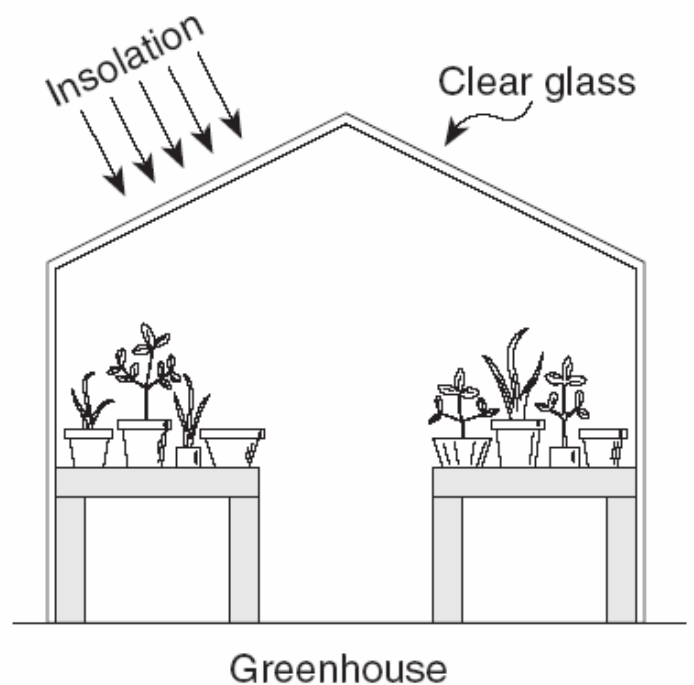
Use the diagrams below to answer questions 8-10.



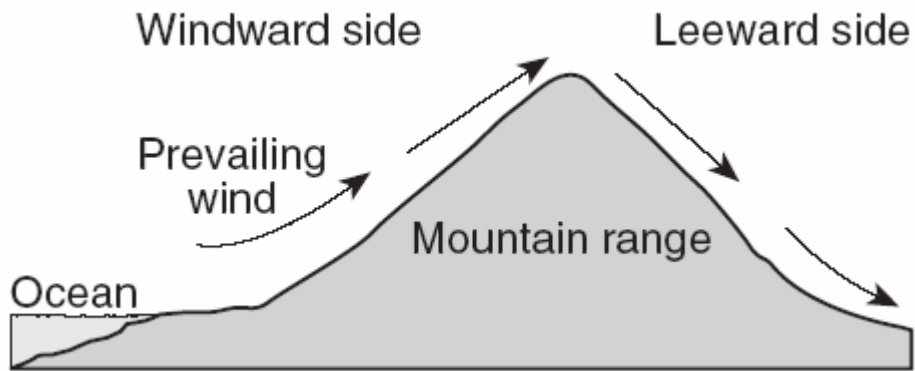
8. Which sample will have the best permeability?
9. Why will sample D have the best capillarity?
10. How does the permeability of column A compare to the permeability B?

Use the diagram below to answer questions 11-14.

11. Draw and label the visible light and the infrared wavelengths in this greenhouse.
12. What gasses in our atmosphere help contribute to the greenhouse effect?
13. How does most of this gas get in the atmosphere?
14. How can we help reduce the amount we add?

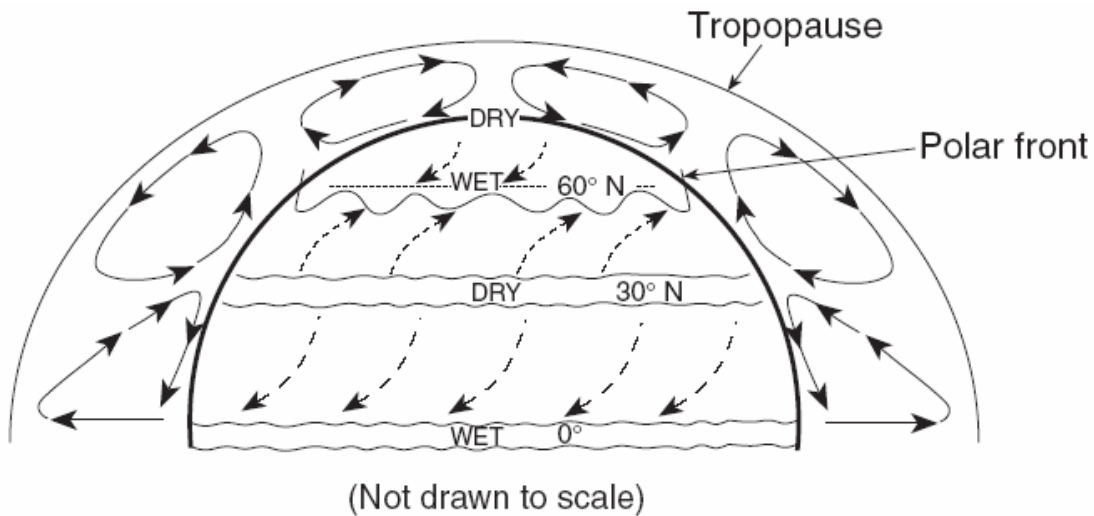


Use the picture below to answer questions 15-16.



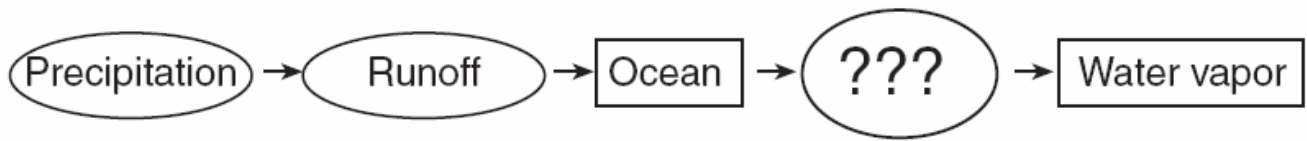
- 15. On the picture, draw where the clouds could be.
- 16. Why does the windward side have a more moderate climate with a smaller temperature range than the leeward side?

Use the picture below to answer questions 17-19.

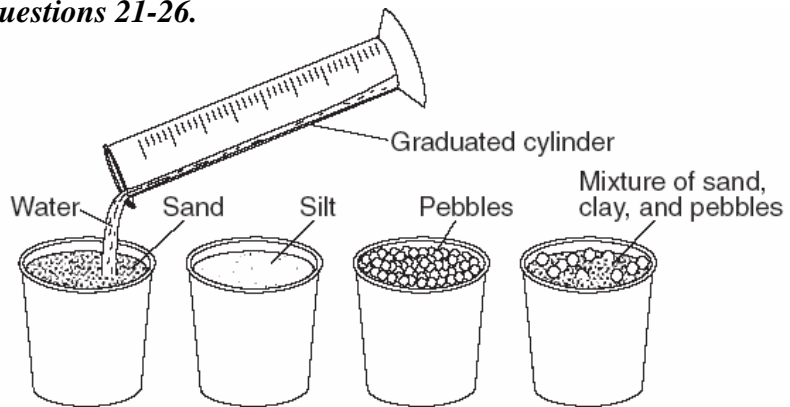


- 17. Why is the climate at 30°N and 30°S so DRY?
- 18. Why is the climate at 0° so WET?
- 19. If the poles are considered DRY or DESERTS, why is there so much snow there?

20. What is occurring in the ??? section?



Use the following picture to answer questions 21-26.



- 21. If these cups do not have holes in the bottom, what is this experiment testing?
- 22. How does the porosity of the sand, silt and pebbles compare to each other?
- 23. What happens to the porosity of the mixed sample?
- 24. Why does this happen?
- 25. If these cups had small holes in the bottom to let the water out, what would this experiment be testing?
- 26. Which sample will have the greatest capillarity and the greatest retention?

Use the following diagram to answer questions 27-29.

- 27. Describe the climate at location C?
- 28. Name the wind direction at location D?
- 29. How does the temperature range of A compare to the range of B?

