**Unit 4: Fresh Water Study Guide**

S6E3. Students will recognize the significant role of water in earth processes

*Part 1 (Surface Water):*

1. What percentage of the Earth is covered by water? Make a pie graph showing this

*Part 2 (Salt vs. Fresh):*

1. What percentage of the water on Earth is salt water? Make a pie graph showing this

*Part 3 (Frozen vs. Fresh):*

1. Where is most of the fresh water on Earth? Make a pie graph showing this

*Part 4 (Energy)*

5. How is the water cycle powered? (What gives it energy)? Draw a picture of this energy source

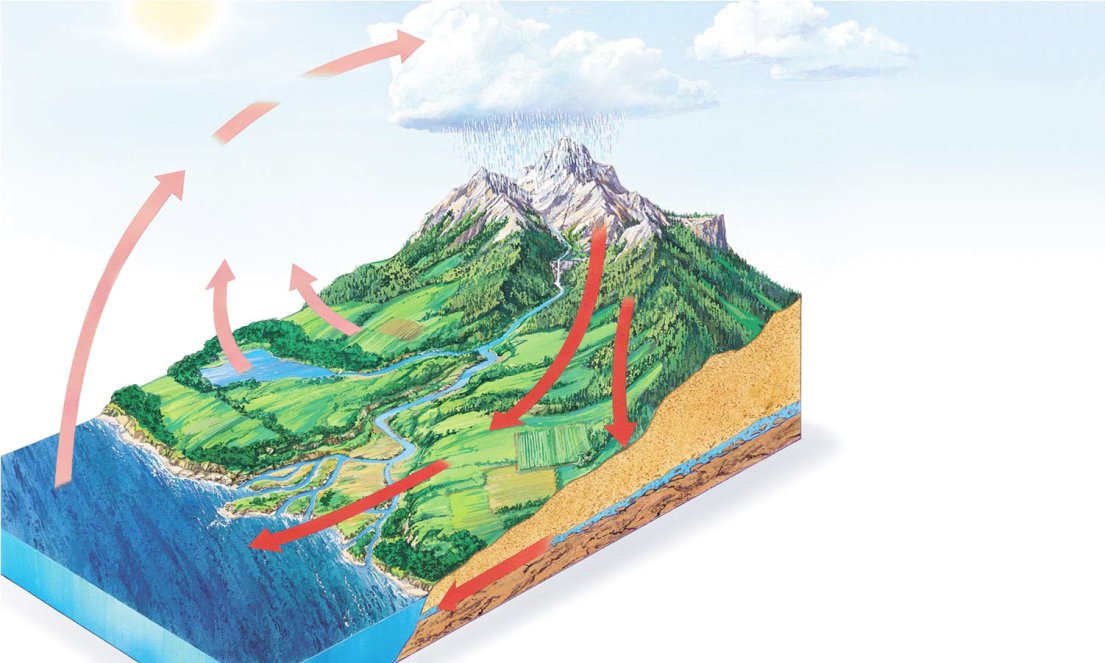
*Part 5 (Water Cycle)*

6. What is evaporation?

7. What is condensation?

8. What is precipitation?

9. What is transpiration?

******10-16. Label the following diagram with the following terms below.

***Condensation Evaporation Runoff Precipitation Infiltration Transpiration Groundwater***

*Part 6 (Precipitation)*

18. What is the difference between freezing rain and sleet?

19. What type of cloud is more likely to have precipitation?

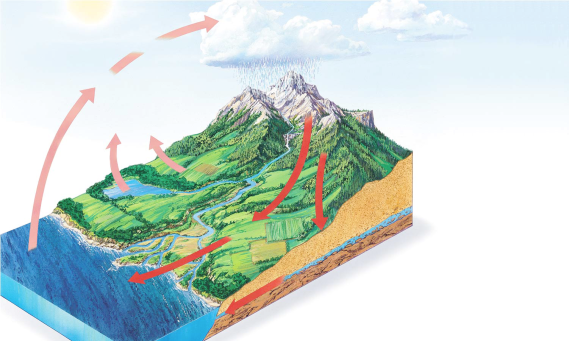
20. Name four types of precipitation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_

21. Draw a picture of each type of cloud:

*Part 7 (Runoff)*

21. What is runoff?

22. Circle where runoff occurs on the diagram



23. What type of disaster would be associated with runoff?

*Part 8 (Conserve)*

24. Why is it important to conserve water?

25. What are three ways you can conserve water?