Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Unit 6 – Hydrosphere: Day 4

|  |  |
| --- | --- |
| Partner 1 | Partner 2 |
|  |  |

Article A:

1. What is “Desalination?”

2. One method of desalination mimics the hydrologic cycle by... doing what?

6. *Opinion:* Do you agree with this process? Why or why not?

3. Briefly define reverse osmosis.

4. What are two drawbacks from the desalination process?

5. Where would you most likely find desalination?

Article B:

7. What is added to the water during coagulation?

8. What purpose does coagulation and flocculation serve?

9. What type of pollution does this water treatment mostly target?

10. How is the water disinfected?

Article C:

11. Who do “municipalities- a city or town that has corporate status and local government” have to report information on their water sources to?

12. Why is it difficult for consumers to know how safe their drinking water is?

13. Name *three* chemical pollutants the EWG found in their 2008 research on bottled water.

16*. Research Driven:* What are also bad about the plastics bottled water uses?

14. What is the estimated percentage of bottled water that is just filled with tap water?

15. What did the EWG find in the water samples sent to U of Missouri?

17. *Personal Reflection*: After learning about bottled water, will you continue to buy bottled water? Why or why not?

Article D:

18. Why is Las Vegas desperate for water?

19. Using Figure 15.1, how many and which states use water from the Colorado River?

20. Using Figure 15.1, what two dams are built on the Colorado River?

24. *Infer*: In the beginning paragraph, the author talks about mining for water. Bases upon this reading why would this happen?

21. What are the advantages of damming up a river?

22. What is the Colorado River Compact?

23. How is population connected to water supply?

Diagram E:

25. Look at this diagram, make a list of advantages and disadvantages for the use dams.

|  |  |
| --- | --- |
| Advantages | Disadvantages |
|  |  |

26. Using your list, can you justify the creation of the Catawba Dam?

Diagram F:

27. Look at this diagram, make a list of examples for point source and non-point source pollution.

|  |  |
| --- | --- |
| Point Source | Non-Point Source |
|  |  |

28. *Creativity*: How will you be able to remember the difference? Come up with a slogan, saying or hand gesture to remember the difference. Write it below.