**CalNat Assignment – Class 4 – Chapter 3**

**Water**

1. What is unique about the water molecule?

2. Draw the water cycle in a way that helps you understand and remember how water moves through

the landscape, waterways, and air.

1. Where does 60% of the water flow go?
2. What happens to the remainder of the water?

c. How does snow pack influence water storage and seasonal streamflow patterns? Rain on

 snow events?

3. Our three biggest natural lakes in California are the Klamath Lake, Lake Tahoe, and Clear Lake.

What is unique about each of these lakes?

4. How do we classify streams within watersheds? How is this useful?

5. Stream inputs:

a. Biological inputs include what kinds of materials?

b. What kinds of chemical inputs are important for stream processes?

6. What is the difference between alluvial vs. colluvial forces in moving stream sediments

around?

7. What are the causes and consequences of increased sediment loads in streams?

8. What factors influence the high numbers of endemic freshwater fish species found in California?

9. How do the many small water catchments in the upstream parts of watersheds impact streams?

Name: