Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

1. What does stream flow mean?

**Stream Flow Data Collection**

**Reach Distance**

2. Water body name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Reach distance: \_\_\_\_\_\_\_ feet

4. Record the time is takes the apple to flow down the creek in seconds (sec).

Round 1: \_\_\_\_\_\_ sec Round 2: \_\_\_\_\_\_ sec Round 3: \_\_\_\_\_\_ sec  
  
5. What is the mean time of the apple? \_\_\_\_ seconds

6. What is the mean speed of the water? \_\_\_\_\_\_ feet/second

7. What are ways humans can improve a stream ecosystem?

8. The image below represents a creek ecosystem with a side channel. Label the side channel and include labels for at least 2 living things and 2 nonliving things that you would find in a healthy creek ecosystem.