Date: _____ Name: _____

PTI & OWEB Assessment of Macro Data Class: CAM 7 – _____

Answer the following (use a separate page if necessary).

1) Examine the "**Macroinvertebrate Totals**" handout from our last trip. Use it to complete the Pollution Tolerance Index (**PTI**) on the back of this page.

a) What was the PTI score? _____

b) According to the score, what is the water quality? _____

2) How did the PTI compare to your prediction, previous score, or other information you have about the stream? (Put a "X" on the scale below. Then, explain your answer by 1) identifying what you are comparing and 2) stating the results of the PTI and the other information.)

Way off Kinda Close Right On

3) Again, examine the "**Macroinvertebrate Totals**" handout from our last trip. Use it to complete the **OWEB Level 2 Assessment of Water Quality** on the attached page.

What is the **OWEB score**? _____

5) Based on this score, what can you say about the stream conditions for the East Fork of the Lewis River at Lewisville Park? (Summarize the appropriate description from the table on the OWEB Sheet.)

6) How does the **OWEB evaluation** of stream health compare with the **PTI evaluation**? Explain.

Way off Kinda Close Right On

7) Which of these evaluations do you think is most accurate? Why?

8) Examine the data and identify one interesting, unexpected, or inconsistent finding. Describe the finding (give specific, observable details) and provide a possible explanation (inference).