**Dissolved Oxygen (DO) Video Questions**

Minimum DO requirements for some aquatic organisms

Trout 6.5 mg/L Mayfly larvae 4.0 mg/L

Smallmouth bass 6.5 mg/L Catfish 2.5 mg/L

Caddisfly larvae 4.0 mg/L Carp 2.0 mg/L

Mosquito larvae 1.0 mg/L

1. Drops of thiosulfate solution added to decolorize one measuring tube of sample: \_\_\_\_\_

DO concentration = \_\_\_\_\_\_ mg/L

2. How does oxygen from the atmosphere get into the water?

3. Did the water in the video water meet the Michigan state requirement of 5.0 mg/L as the minimum acceptable DO concentration?

4. Based on the DO measurement, could trout and smallmouth bass live in this stream?

5. This video was made in early summer. Would you expect similar DO concentrations in this stream during the hottest part of summer?

Why or why not?

6. Does that change your answer to #5? Explain.

7. Name 2 factors that affect or can change Dissolved Oxygen concentration in a stream.

8. What can people do to improve the DO concentration in our watershed?

9. How could the DO concentration over time affect the types and numbers of critters (BMIs)?