


## Pond Water Lab - Helpful Hints for Success!

### Hint # 1: DRAWINGS SHOULD CONVEY AS MUCH RELEVANT INFORMATION AS POSSIBLE.

- Good observations = good drawings. Look for DETAILS!
- LABEL as much as possible: texture, color, pattern, etc.
- Is the creature doing anything? Say so.
- Unless you know what a structure is, don't ASSUME. If something inside it looks like black dots, label "black dots". Don't assume it's dirt or anything else.
- Try to find out the NAME of the creature. If you and the teacher cannot determine the name, make up a TASTEFUL name.

### Hint # 2: QUALITY COUNTS.

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- Don't "COLOR". (Did the creature really have straight lines on the inside?) Use shading or stippling instead.
  - Use STRAIGHT LINES for labels. This means a RULER! Don't overlap the lines.
  - Text for labels should be outside the circle.
  - Be NEAT!

### Hint # 3: BE ACCURATE.

- Make sure MAGNIFICATION is correct: X40, x100 or x400.
- Make sure FIELD DIAMETER is correct: 4500 micrometers, 1800 micrometers, or 450 micrometers. Don't forget UNITS!
- Calculate the LENGTH of one organism correctly: Field diameter divided by the number of organism that fit across the field.
- Make sure DRAWINGS MATCH YOUR CALCULATIONS. If the organism takes up one third of the diameter of the field, draw it that way and divide by three to determine its length.