

# Caterpillar Observation Sheet

## Procedure

1. Record data for the caterpillars. Use Table 1 for Plate A and Table 2 for Plate B.
  - a. For each plate, use the ruler provided to measure each of the 5 caterpillars. Record the lengths in the **Individual caterpillar length** columns. *Note: the ruler is enlarged to match the scale of the caterpillars.*
  - b. Calculate an average length for the 5 caterpillars. Record it in the **Average length** column.
  - c. Record your observations about the caterpillars in the **Observations** column.
2. Repeat steps a-c for each day's plates, as your teacher provides them.

## Reflections

### Day 5

1. What do you think is causing the differences between the caterpillars on plates A and B?
2. Predict what the next set of caterpillars will look like.

### Day 6

1. Comment on the accuracy of your prediction.
2. Share any new inferences you have about what is causing the differences.

### Day 7

1. Graph the average length over time for each set of caterpillars. Use different colors for plates A and B.
2. Were your inferences correct?
3. What evidence do you have for that?


Average caterpillar length (mm)

Day

NAME \_\_\_\_\_ DATE \_\_\_\_\_

**Table 1: Caterpillar length & observations – Plate A**

	Individual caterpillar lengths (mm)					Average length	Observations
Day 1							
Day 2							
Day 3							
Day 4							
Day 5							
Day 6							
Day 7							

**Table 2: Caterpillar length & observations – Plate B**

	Individual caterpillar lengths (mm)					Average length	Observations
Day 1							
Day 2							
Day 3							
Day 4							
Day 5							
Day 6							
Day 7							

