**Data Table Practice**

**#1- Use the given data to build a data table.**

**Question:** How does the type of oil (A,B,C,D) affect the amount of time it takes for a water drop to fall through the oil?

**Data collected:**

A: 10 sec 15 sec 12 sec

B: 45 sec 38 sec 48 sec

C: 15 sec 19 sec 22 sec

D: 65 sec 78 sec 64 sec

IV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of trials: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of subcolumns)

Number of levels tested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of rows)

**Make sure you include a title and units!**

**#2- Use the given data to build a data table.**

**Question:** How does the type of fruit (apple, pear, peach) affect the time it takes to turn brown?

**Data collected:**

Apple: 40 min 38 min 45 min 42 min

Pear: 25 min 30 min 34 min 28 min

Peach: 18 min 20 min 22 min 19 min

IV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of trials: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of subcolumns)

Number of levels tested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of rows)

**Make sure you include a title and units!**

**#3- Use the given data to build a data table.**

**Question:** How does the temperature of oil affect the time it takes for water drops to fall through it?

**Data collected:**

10°C: 150 sec 120 sec 135 sec

20°C: 100 sec 98 sec 110 sec

30°C: 80 sec 91 sec 87 sec

40°C: 60 sec 55 sec 63 sec

50°C: 40 sec 38 sec 47 sec

IV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**#4- Use your knowledge of how to build a data table to help set up the proper data table for Brenda’s experiment.**

Brenda wants to know which type of dog food his dog likes the best. He thinks his dog will like Alpo the best because it is so yummy. He decides to test his hypothesis by feeding his dog at the same time each day and measuring the amount of time (in minutes) it takes his dog to eat the experiment. He has purchased four types of dog food: Alpo, Iams, Purina Puppy Chow, and Science Diet. He will conduct 3 trials of his experiment.

**\*You will not have data in the table, but be sure to draw the correct number of columns and rows, provide a title, label each heading appropriately, and include units.**