

Scientific Method Worksheet

1. What is the process of Scientific Method?

2. List the steps of the Scientific Method?

3. **Open Tables** (Once the data is collected during any kind of observation or data collection it needs to be organized. Read the scenario below and set up a data table for each. Answer the questions about the data.

Ex.A

The following hair colors were found among three classes of students.

Class 1:	Green = 20	Class 2:	Green = 10	Class 3:	Green = 15
	Black = 5		Black = 8		Black = 6
	Brown = 4		Brown = 9		Brown = 15

Data Table

1. What type of information is being gathered?

2. From the information above, can you give the number of students with black hair?

3. How many students make up the entire population?

Ex.B on an expedition around the world, several scientists collected the remains of various snakes. One of the tests that the scientists conducted determined the toxicity of the venoms of each snake. Other data obtained by the scientists included the mortality percentage, or relative death rate, from the bites of various snakes. The snakes observed were the (1) southern United States copperhead, (2) western diamondback rattlesnake, (3) eastern coral snake, (4) king cobra, (5) Indian cobra, (6) European viper, (7) bushmaster, (8) fer-de-touze, (9) black-necked cobra, (10) puff adder. The mortality percentage of people bitten by the snakes varied from 100% to less than 1%. The scientists noted the mortality percentage for each of the snakes was (1) less than 1%, (2) 1-10%, (3) 11-20%, (4) greater than 20%, (5) 70%, (6) 1-2%, (7) exactly 100%, (8) 11-20%, (9) 11-20% and (10) 1-20%.

Data Table

1. Which snake's venom has the highest mortality rate?

2. Which two snakes' venoms have the same mortality rate?