

# Science

Name: ..... ( )

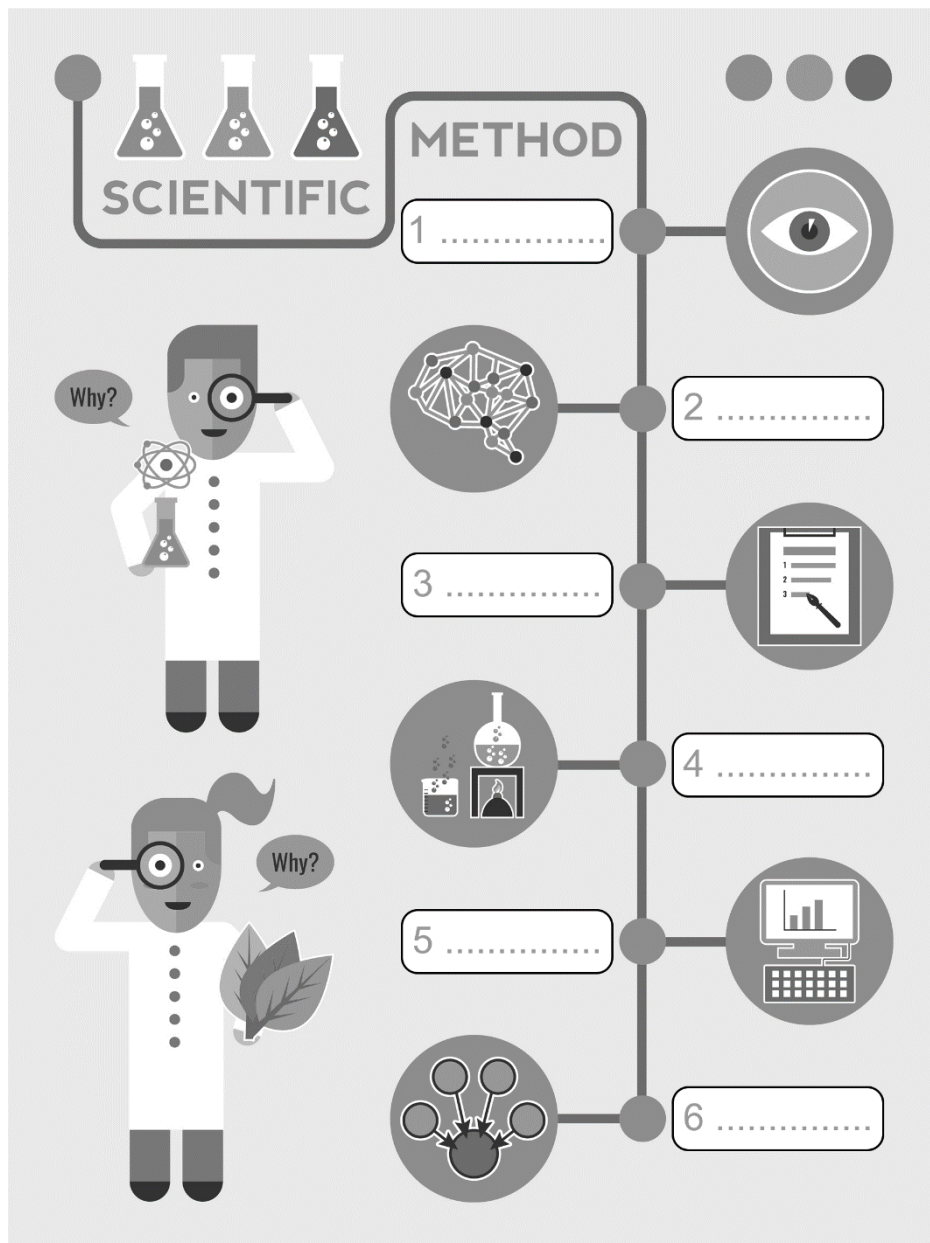
Class: .....

Date: ..... / ..... / .....

## The Nature of Science – The Scientific Method

### Instructions

- The diagram below shows six important stages in the scientific method. Use the symbols to help you decide the correct title for each of the six stages. Write your answers in the spaces provided below.

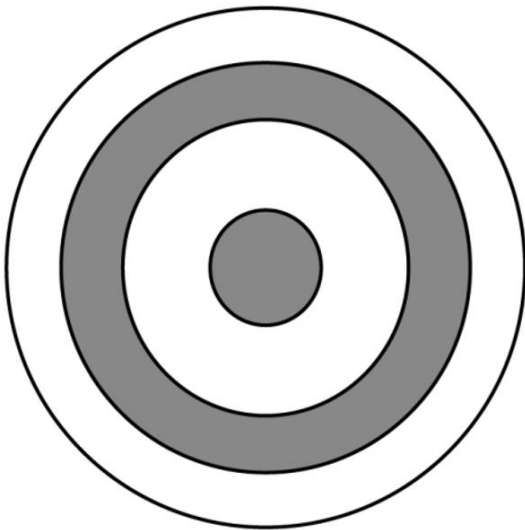


• Modified from an original image taken from Shutterstock, <http://www.shutterstock.com>

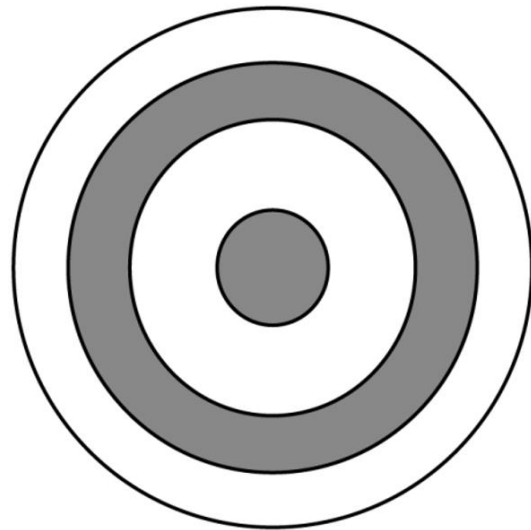
## Accuracy and Precision in Science

- **Accuracy** is how close to the true value a given measurement is.
- **Precision** is how closely two measurements of the same quantity are similar to each other.

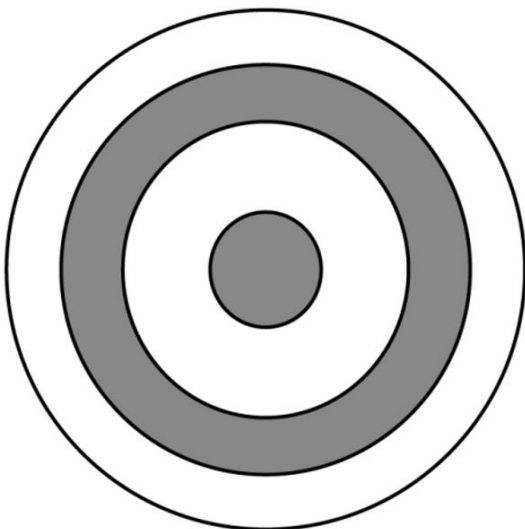
1. If you had seven arrows and you fired them at a target with *low accuracy* and *low precision*, what would it look like?



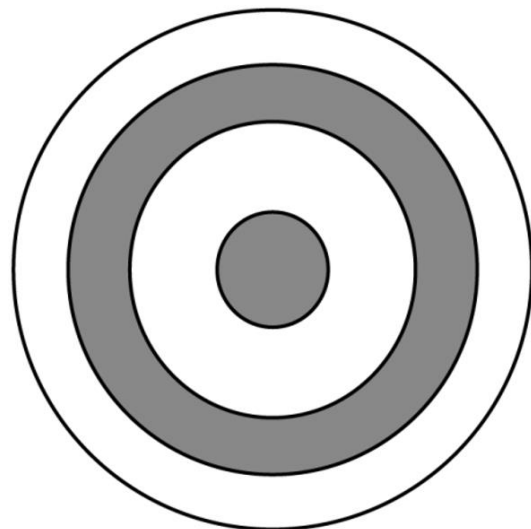
2. If you had seven arrows and you fired them at a target with *low accuracy* and *high precision*, what would it look like?



3. If you had seven arrows and you fired them at a target with *high accuracy* and *low precision*, what would it look like?



4. If you had seven arrows and you fired them at a target with *high accuracy* and *high precision*, what would it look like?



- Scan the QR code given below to view the answers to this assignment.



[http://www.nygh.sg/nature\\_of\\_science/worksheets/9\\_scientific\\_method\\_ans.pdf](http://www.nygh.sg/nature_of_science/worksheets/9_scientific_method_ans.pdf)