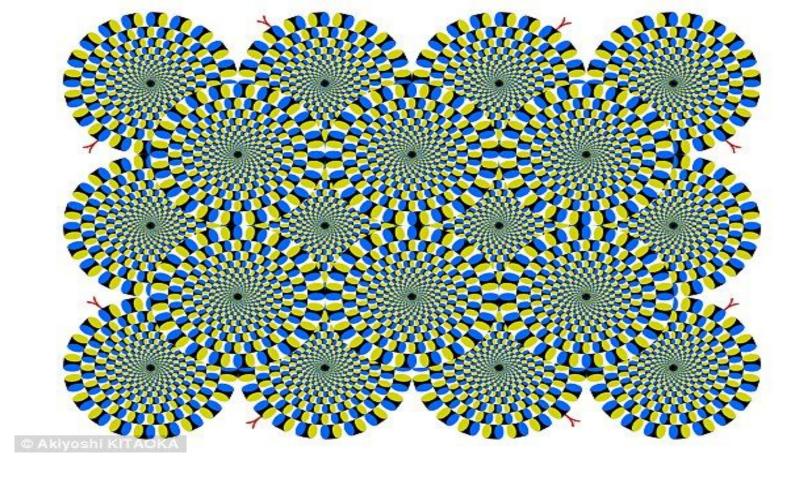
Thinking Like a Scientist

Observation:

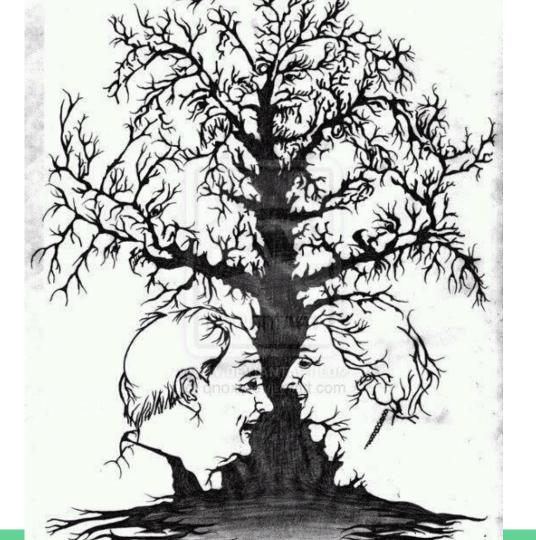
- the process of gathering information about events or processes in a careful, orderly way
- Involves using all senses
 Sight, hearing, etc.
- Special equipment can also be used







Are the circles moving?



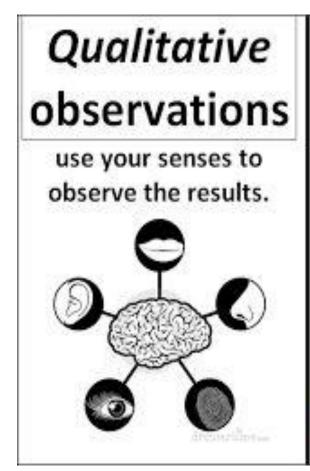
How many faces?



What does the sign say?

Lets try an Observation Challenge

- Data: information gathered from observations
 - Quantitative data- expressed in numbers
 - Qualitative datadescriptive, involve characteristics that cannot be counted or measured



QuaNtitative observations

are made with instruments such as rulers, balances, graduated cylinders, beakers, and thermometers. These results are measurable.

(numbers)

