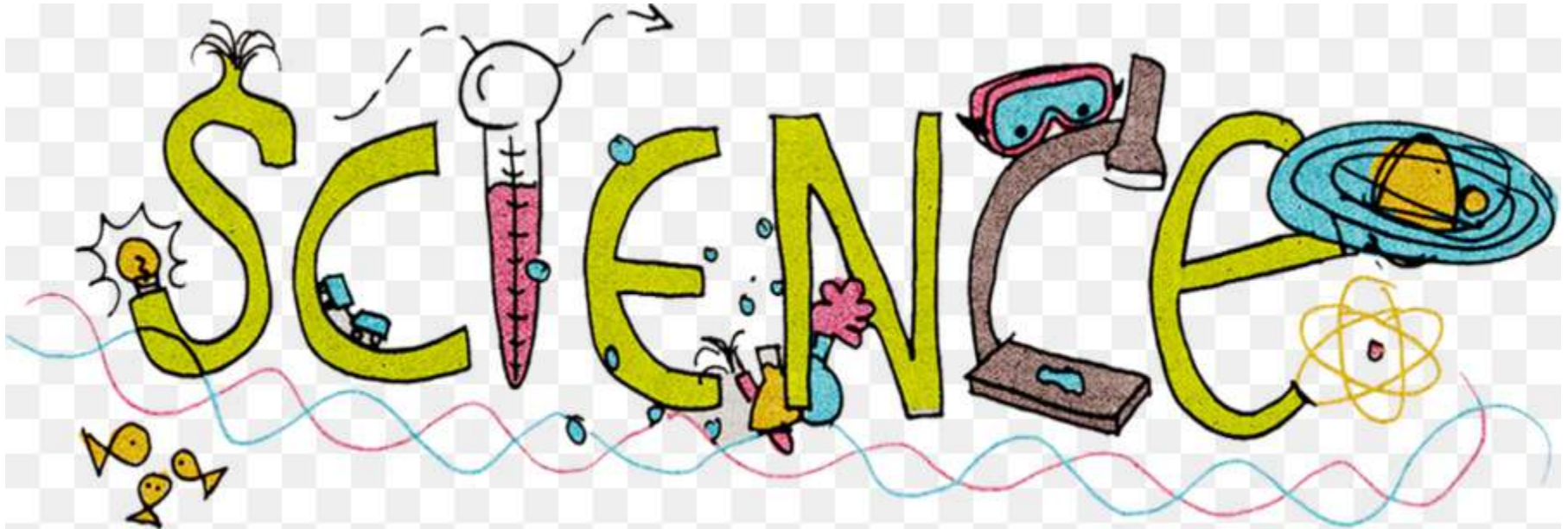# CLAIM - EVIDENCE - REASONING

- Divide your whiteboard into 3 sections
- Brainstorm about and describe "claim" "evidence" and "reasoning"

In science, the CLAIM always

- Directly answers the question
- Is a complete sentence
- Is brief/straightforward and doesn't explain

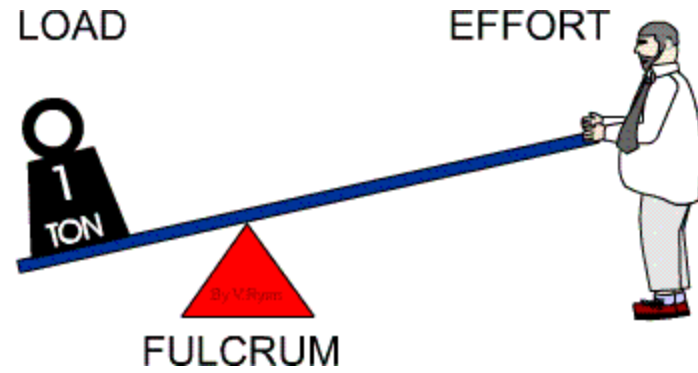In science, the EVIDENCE always is written in complete sentences and...

- Includes data (numbers)
- Is related to the claim
- Shows change or comparison

In science, the REASONING always is written in complete sentences and...

- Explains how the evidence supports the claim
- Uses scientific terminology and definitions
- Avoids the word "it"

Write a claim that answers the question: Does using levers make work easier?

Give evidence from the data table to support your claim.

LOAD   EFFORT

1 TON

FULCRUM

Load distance from fulcrum	Effort distance from fulcrum	Force required to lift object
5 cm	10 cm	0.8 N
20 cm	10 cm	4.3 N
10 cm	5 cm	5.3 N
10 cm	20 cm	1.3 N

Control - when no lever was used, the force required to lift the object was 2.2 N

Check your work:

CLAIM
  Is a complete sentence?
  Answers the question?
  Is brief?
  Does not attempt to explain?

EVIDENCE
  Includes data/numbers?
  Relates to the claim (same variables)?
  Shows change or comparison?

Write a claim that answers the question: Which body part is the most painful place for a bee sting?

Give evidence from the data table to support your claim.

Body part	Pain rating (scale of 1-10)
Nostril	9
Back	4.8
Upper lip	8.7
Arm	5
Leg	6.2
Hand	7.5

Check your work:

CLAIM
    Is a complete sentence?
    Answers the question?
    Is brief?
    Does not attempt to explain?

EVIDENCE
      Includes data/numbers?
      Relates to the claim (same variables)?
      Shows change or comparison?