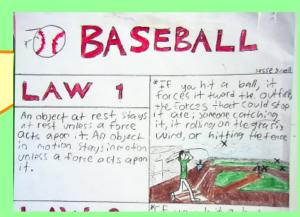
03/19 #8

Choose a sport or activity. For each law:

- 1. Write out the law.
- 2. Illustrate the law from your sport.
- 3. Explain your illustration showing your understanding of the law in relation to your sport.

You have 10/15 mins to finish before we share!!



I can apply Newton's laws of motion to my favorite sport or activity

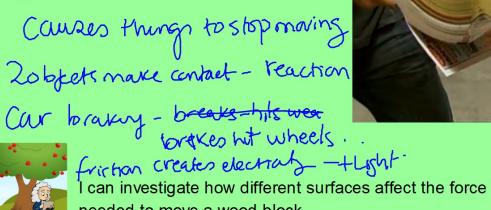
In your journal explain what you understand about friction.

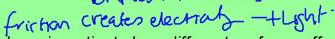


Lobjects pushing an each other. You can draw diagrams and give examples in your

2 objects who openist each other

Creales heat





needed to move a wood block

03/19 Friction #9

Question

How does the type of surface affect the force needed to move a block?



Hypothesis

Variables

Materials

Wood block +3 masses

4 surfaces of your choice spring Scale

3/19 <u>friction</u> #9

Diagram







03/19 Friction #9

Procedures



- Place the block on the ______ (1st condition)
- While one person is holding the ______, the other <u>person begin</u> to move the block pulling carefully with the spring scale.
- 3. Have another person read the amount of Newtons of force need to move the block.
- 4. Record the force in the data table.
- 5. Repeat steps 1-4 for a total of 5 trials.
- 6. Place the block on ______ (2nd condition) and repeat steps 2-5
- 7. Place the block on ______ (3rd condition) and repeat steps 2-5
- 8. Place the block on ______ (4th condition) and repeat steps 2-5



03/19 Friction #9

Data Table



Force	Material	Material	Material	Material
(N)	#1	#2	#3	#4
Trial 1				
Trial 2				
Trial 3				
Trial 4				
Trial 5				
Average				
Force (N)				



