Paper Airplane Lab

THIS LAB YOU WILL TAKE 3 TYPES OF PAPER AIRPLANES OF YOUR CHOICE AND TEST THEM IN THE SUPER LAB.

1. **STUDENTS WILL PREDICT WHICH PLANE WILL FLY THE BEST. CIRCLE PLANE 1 2 3**
2. **YOU WILL ALSO TIME YOUR PLANE AS IT FLYS UNTIL IT HITS THE GROUND AS WELL AS MEASURE THE DISTANCE.**
3. **YOU WILL ALSO CALCULATE THE VELOCITY AND KINETIC ENERGY OF YOUR PLANES.**
4. **STUDENTS WILL CALCULATE THE POTENTIAL ENERGY OF EACH OF THEIR PLANES WHILE AT THE START LINE.**

 # 1 PLANE DESCPRITION _____

TRIAL	DISTANCE IN METERS	AIRTIME IN SECONDS	VELOCITY IN M/S	KINETIC ENERGY	POTENTIAL ENERGY
1.					**THIS WILL BE THE SAME FOR**
2.					**EACH BOX**
3.					
4.					
AVERAGE					

 # 2 PLANE DESCPRITION _____

TRIAL	DISTANCE IN METERS	AIRTIME IN SECONDS	VELOCITY IN M/S	KINETIC ENERGY	POTENTIAL ENERGY
1.					**THIS WILL BE THE SAME FOR**
2.					**EACH BOX**
3.					
4.					
AVERAGE					

 # 3 PLANE DESCPRITION _____

TRIAL	DISTANCE IN METERS	AIRTIME IN SECONDS	VELOCITY	KINETIC ENERGY	POTENTIAL ENERGY
1.					**THIS WILL BE THE SAME FOR**
2.					**EACH BOX**
3.					
4.					
AVERAGE					

ENSURE THAT ALL BOXES ON THE TABLE ARE COMPLETED BEFORE ENTERING INFO ONTO YOUR DIAGRAMS, INCLUDE ALL UNITS FOR EACH OF THE CALCULATIONS.

TIME= SECONDS, VELOCITY = M/S, KINETIC ENERGY = JOULES KE=1/2MV,

POTENTIAL ENERGY = (M)(G)(H)=JOULES

CONCLUSION:

TWO SENTENCES WHY YOUR PLANES WORKED OR DID NOT WORK. INCLUDE THE BOURNOULLI PRICIPLE IN ONE OF YOUR TWO SENTENCES