

Name: _____ Period: _____ Date: _____

Paper Helicopters **YOUR TURN**



Identifying variables

The thing that is different between the blades of **D & E** is _____.

The thing that we will measure as a result of this difference is _____.

Questioning

Use the variables for D & E to **correctly** write the research question you want to answer

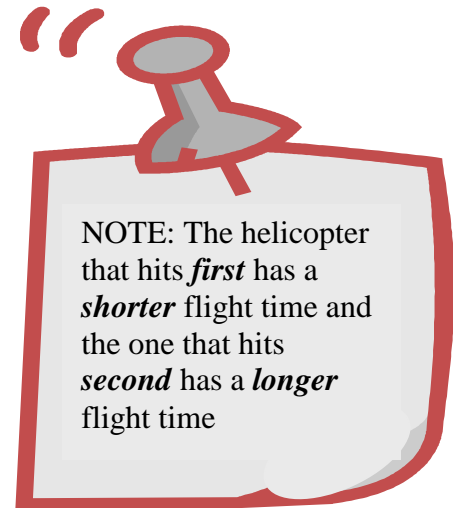
Hypothesizing

Use the variables for D & E to **correctly** write the hypothesis

Experimenting Dropping models D & E

Write a **1** in the column below the letter of the helicopter that hits first and write a **2** in the column below the letter of the helicopter that hits last for each trial

Trial	D	E
1		
2		
3		
4		
5		
6		
7		



Analyzing Data

1. What factor between D & E did you test for to see its affect on the flight time _____

2. How did this factor affect the flight time? _____

Writing a conclusion

Use your results to from the experiment with D & E to **correctly** write a conclusion.

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Paper Helicopters – YOUR TURN – Helicopters D & E



Vocabulary (Write the word on the line next to its definition)

- _____ The thing you change in an experiment
- _____ A testable educated guess
- _____ The way the hypothesis should be phrased
- _____ When experiments show the hypothesis is right, we say it -?- it
- _____ The effect you measure in an experiment
- _____ What you want to answer by experimenting
- _____ The things you must keep the same in an experiment
- _____ When experiments show the hypothesis is wrong, we say it -?- it
- _____ The way a research question should be phrased
- _____ A judgment based on the results of an experiment

You will use some terms from above and answers from your experiment with D & E

Complete the following based on your experiments with D and E

The _____ we wanted to answer was:

“**How does** blade _____ **affect** flight time?”

Our _____ was

“**If** blade _____ **increases then** flight time _____.”

The _____ variable between helicopters D and E was the width of the blade.

The _____ variable between D and E was the flight time.

The _____ variables for the experiment with helicopters D and E included height dropped from, and where the helicopter was held before the drop.

The _____ for the experiment was:

“**As** blade _____ **increases** flight time _____.”

Our experiment showed our hypothesis was _____ so we say:

“The experiment _____ the hypothesis.”