

Flight Level 2 Quiz

1) This type of variable is the variable that is purposely changed

Select one:

- a) Controlled variable
- b) Dependent variable
- c) Independent variable

2) This type of variable is the variable being observed

Select one:

- a) Controlled variable
- b) Dependent variable
- c) Independent variable

3) This type of variable is not changed during the experiment

Select one:

- a) Controlled variable
- b) Dependent variable
- c) Independent variable

4) Kids who drink milk everyday typically have stronger, healthier bones. In this statement, what is the independent variable?

Select one:

- a) Milk consumption
- b) Stronger, healthier bones
- c) There isn't an independent variable present

5) Kids who drink milk everyday typically have stronger, healthier bones. In this statement, what is the dependent variable?

Select one:

- a) Milk consumption
- b) Stronger, healthier bones
- c) There isn't a dependent variable present

6) When defining the problem for the Paper or Straw Rocket activity, what should you designate as the independent variable?

Select one:

- a) construction and materials used to make rocket
- b) how far the rocket flies
- c) what the rocket looks like
- d) how fast the rocket flies

7) When defining the problem for the Paper or Straw Rocket activity, what should you designate as the dependent variable?

Select one:

- a) construction and materials used to make rocket
- b) how far the rocket flies
- c) what the rocket looks like
- d) how fast the rocket flies

8) When using the bike pump to charge the launch system, what unit of measure is used?

Select one:

- a) PSI (pounds per square inch)
- b) G-force
- c) mph (miles per hour)
- d) mph (micrograms of pressure per hour)

9) Engineering design depends on good:

Select one:

- a) Timing
- b) Documentation
- c) Luck
- d) None of the above

10) Is it a good idea to change more than one variable at a time?

Select one:

- a) True
- b) False