

Metic

- A 0°C
- B 0°F
- C 32°F
- D -273°C

Two are not metric, cross them off, one is absolute zero, there is only one that makes sense.

- A The acceleration of the ball is unstable. She kicked it, what does unstable mean
- B The motion of the ball is changed by external forces. forces other than the kick bring it down.
- C The pressure on the ball changes with altitude. The air inside the ball gets less or more (the air pressure changes)
- D The force exerted on the ball is greater than gravity. The ball comes down because the kick is more than gravity.

| Temperature (°C) | Grams of Substance That Dissolve in 100 Milliliters of Water |         |         |
|------------------|--------------------------------------------------------------|---------|---------|
|                  | Trial 1                                                      | Trial 2 | Trial 3 |
| 10               | 5.0                                                          | 5.1     | 4.9     |
| 20               | 8.0                                                          | 7.8     | 7.9     |
| 30               | 10.0                                                         | 9.9     | 10.0    |
| 40               | 15.0                                                         | 14.9    | 15.1    |

Students measured the amount of an unknown substance that dissolved in water at different temperatures. What was the independent variable in this investigation? what did they change?

- A Amount of substance dissolved
- B Unknown substance used
- C Water temperature
- D Water volume

- A Low mass Are we on an inner or outer planet?  
Which ones are rock, which are gases?
- B High density
- C Fast revolution
- D Gaseous composition

- A ribosomes What is special about plants that makes them producers and green!
- B chromosomes
- C chloroplasts
- D mitochondria

## Activities

|                                  |
|----------------------------------|
| 1 hour of napping                |
| 1 hour of watching television    |
| 1 hour of walking on a treadmill |

A student measures her heart rate after each of the activities listed. Based on this information, which is a constant in the student's investigation?

Constant - does not change

- A Equipment needed for activity
- B Length of activity time
- C Activity performed
- D Energy expended during activity

a regular plant, like grass or a tree.

- A Is unicellular Uni means one, so this says one cell
- B Lacks a nucleus has no nucleus, no DNA, Chromosomes, etc
- C Makes its own food is a producer
- D Lacks a cell wall plant cells have cell walls, lack means does not.

- A Build a compost pile A compost pile is when you pile up trash to let it decay into stuff for the garden.
- B Carpool with several people Will using one car instead of many make the air better?
- C Burn leaves in the fall will burning make the air better?
- D Use a gas-powered lawn mower will running a gas-powered lawn mower make the air better?