

A. Complete the following statements:

- 1- gas is found in fluorescent lamp but not in light bulb.
- 2- The crowbar is considered a class lever, but the manual broom is a class lever.
- 3- When the arm of force is shorter than the arm of resistance so..... is larger thanand it doesn't save effort.

B. Give reasons for:

1. The filament of electric lamp made up of tungsten.

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2. Soda bottle opener is a 2nd class lever.

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C. A force of 100 Newton affected on a lever of the first order and the force arm is 10 cm. Calculate the resistance arm if the resistance force 50 newton.

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D. Correct the underlined words

1. The electric lamp converts the electric energy to the kinetic energy.
2. The second class lever always save effort.
3. The resistance between the fulcrum and effort force in the 1st class lever

E. Define:

Series connection:

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Law of lever

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