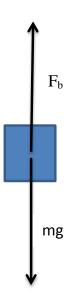
## Answer on Question#39364, Physics, Nuclear Physics

## **Question:**

An object of weight 200 N is floating in a liquid. What is the magnitude of buoyant force acting on it?

## **Answer:**



where mg is weight of the body,  $F_{b}$  is buoyant force.

Newton's first law of motion:

$$mg = F_b$$

Therefore:

$$F_b=200\,N$$

Answer: 200 *N*