Answer on Question #47911, Physics, Mechanics | Kinematics | Dynamics

an electric bulb of 60 W is used for 6 hour per day. calculate the units of energy consumed in one day by the bulb.

Solution:
$t = 6 \, hour = 6 \cdot 3600s - time;$
$P = 60 \, W - power;$
The formula for the power:
$$Power = \frac{Energy}{time}$$
$$Energy = time \cdot Power = 6 \cdot 3600s \cdot 60 \, W = 1.296 \cdot 10^6 J$$
Answer: energy consumed in one day: $1.296 \cdot 10^6 J$