Physics Test – Version 0

(1) The formula to compute the work W done on a body if the force F is parallel to the displacement d, as in figure 1 at the end of the text, is:

[A] $W = F \cdot d$.

[B] $W = 2F$.

[C] $W = m \cdot v$.

[D] $W = 2d$.

(2) The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d.

[A] True.

[B] False.

(3) The formula to compute the work W done on a body when the force F makes an angle with the displacement d is:

[A] $W = F \cdot d \cdot \cos x$.

[B] $W = F \cdot d \cdot \sin x$.

[C] $W = F \cdot d$.

[D] None of the other answers.

(4) The unit for work is J·m.

[A] False.

[B] True.

(5) When a weightlifter holds a 200 kg barbell above his head for 3 seconds before dropping it, the done work is:

[A] 0 J.

[B] 200 J.

[C] 600 J.

D None of the other answers.

6 If a force of 3 N is applied to an object that moves for 3 m, the work done is:

A 9 J.

B 3 J.

C 1 J.

D 0 J.

Figura 1

Physics Test – Version 1

1. When a weightlifter holds a 200 kg barbell above his head for 3 seconds before dropping it, the done work is:

   [A] 600 J.

   [B] None of the other answers.

   [C] 200 J.

   [D] 0 J.

2. The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d.

   [A] True.

   [B] False.

3. The formula to compute the work W done on a body if the force F is parallel to the displacement d, as in figure 1 at the end of the text, is:

   [A] $W = 2F$.

   [B] $W = F \cdot d$.

   [C] $W = 2d$.

   [D] $W = m \cdot v$.

4. The formula to compute the work W done on a body when the force F makes an angle with the displacement d is:

   [A] $W = F \cdot d \cdot \cos x$.

   [B] $W = F \cdot d$.

   [C] $W = F \cdot d \cdot \sin x$.

   [D] None of the other answers.

5. If a force of 3 N is applied to an object that moves for 3 m, the work done is:

   [A] 3 J.

B 0 J.

C 1 J.

D 9 J.

(6) The unit for work is J·m.

A False.

B True.

Figura 1

Physics Test – Version 2

(1) The unit for work is J·m.

[A] False.

[B] True.

(2) The formula to compute the work W done on a body when the force F makes an angle with the displacement d is:

[A] $W = F \cdot d \cdot \cos x$.

[B] None of the other answers.

[C] $W = F \cdot d$.

[D] $W = F \cdot d \cdot \sin x$.

(3) The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d.

[A] True.

[B] False.

(4) If a force of 3 N is applied to an object that moves for 3 m, the work done is:

[A] 1 J.

[B] 3 J.

[C] 9 J.

[D] 0 J.

(5) The formula to compute the work W done on a body if the force F is parallel to the displacement d, as in figure 1 at the end of the text, is:

[A] $W = 2d$.

[B] $W = m \cdot v$.

[C] $W = F \cdot d$.

D $W = 2F$.

6 When a weightlifter holds a 200 kg barbell above his head for 3 seconds before dropping it, the done work is:

A 200 J.

B 600 J.

C None of the other answers.

D 0 J.

Figura 1

Physics Test – Version 3

(1) If a force of 3 N is applied to an object that moves for 3 m, the work done is:

[A] 9 J.

[B] 1 J.

[C] 0 J.

[D] 3 J.

(2) The formula to compute the work W done on a body if the force F is parallel to the displacement d, as in figure 1 at the end of the text, is:

[A] $W = m \cdot v$.

[B] $W = 2F$.

[C] $W = 2d$.

[D] $W = F \cdot d$.

(3) The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d.

[A] False.

[B] True.

(4) The formula to compute the work W done on a body when the force F makes an angle with the displacement d is:

[A] $W = F \cdot d \cdot \cos x$.

[B] $W = F \cdot d \cdot \sin x$.

[C] $W = F \cdot d$.

[D] None of the other answers.

(5) When a weightlifter holds a 200 kg barbell above his head for 3 seconds before dropping it, the done work is:

[A] 200 J.

B None of the other answers.

C 0 J.

D 600 J.

(6) The unit for work is J·m.

A True.

B False.

Figura 1