

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 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.

Physics Test – Version 1

- ① The formula to compute the work W done on a body if the force F is parallel to the displacement d is:
- ☐ A $W = m \cdot v.$
 - ☐ B $W = 2F.$
 - ☐ C $W = 2d.$
 - ☐ D $W = F \cdot d.$
- 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 $W = F \cdot d \cdot \sin x.$
 - ☐ B $W = F \cdot d \cdot \cos x.$
 - ☐ C $W = F \cdot d.$
 - ☐ D None of the other answers.
- ③ When a weightlifter holds a 200 kg barbell above his head for 3 seconds before dropping it, the done work is:
- ☐ A None of the other answers.
 - ☐ B 0 J.
 - ☐ C 200 J.
 - ☐ D 600 J.
- ④ 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 0 J.
 - ☐ D 1 J.

⑤ The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d .

☐ A False.

☐ B True.

⑥ The unit for work is J·m.

☐ A True.

☐ B False.

Physics Test – Version 2

- ① The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d .
- ☐ A True.
- ☐ B False.
- ② 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 200 J.
- ☐ C 0 J.
- ☐ D None of the other answers.
- 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 $W = F \cdot d \cdot \sin x$.
- ☐ B $W = F \cdot d \cdot \cos x$.
- ☐ C $W = F \cdot d$.
- ☐ D None of the other answers.
- ④ The unit for work is J·m.
- ☐ A True.
- ☐ B False.
- ⑤ The formula to compute the work W done on a body if the force F is parallel to the displacement d is:
- ☐ A $W = F \cdot d$.
- ☐ B $W = 2d$.
- ☐ C $W = 2F$.

☐ D $W = m \cdot v.$

- 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 0 J.

☐ C 1 J.

☐ D 3 J.

Physics Test – Version 3

- ① The formula to compute the work W done on a body when the force F makes an angle with the displacement d is:
- ☐ A $W = F \cdot d \cdot \sin x$.
 - ☐ B $W = F \cdot d \cdot \cos x$.
 - ☐ C None of the other answers.
 - ☐ D $W = F \cdot d$.
- ② 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 0 J.
 - ☐ D 1 J.
- ③ When a weightlifter holds a 200 kg barbell above his head for 3 seconds before dropping it, the done work is:
- ☐ A None of the other answers.
 - ☐ B 600 J.
 - ☐ C 0 J.
 - ☐ D 200 J.
- ④ The formula $W = F \cdot d$ can be used only if the force F is parallel to the displacement d .
- ☐ A False.
 - ☐ B True.
- ⑤ The formula to compute the work W done on a body if the force F is parallel to the displacement d is:
- ☐ A $W = m \cdot v$.

☐ B $W = F \cdot d.$

☐ C $W = 2d.$

☐ D $W = 2F.$

⑥ The unit for work is J·m.

☐ A True.

☐ B False.