Lesson 4 Pre/Post-Test: Measure Work

Name:
Date:

1. The formula used to determine 'work' is:

a.) W = G x D
b.) W = D x R
c.) W = F x D
d.) W = G x R

2. In physics, if a person pushes against a wall and it does not move, how much work did the person do?

a.) a lot
b.) a little
c.) none
d.) none of the above

3 If a person pulls an object across a table with a force of 100 grams over a distance of 5 centimeters, how much work did that person do?

a.) 100 gram-centimeters
b.) 50 gram-centimeters
c.) 1000 gram-centimeters
d.) 500 gram-centimeters

4. If you lift a 10 gram object up in the air to a height of 10 cm, how much work did you perform?

a.) 10 g-cm
b.) 100 g-cm

c.) 1000 g-cm
d.) no work was done

5. Define ‘work’.

6. True/False? A person who lifts a 10 pound object to a height of 1 foot does more work than a person who pulls an object over a table top with 10 pounds of force for a distance of 1 foot.

7. True/False? A spring scale can be useful in measuring force.

8. True/False? 100 grams of force used times 0 distance moved means no work was done.