Physics Chapter 2.5

Answer the following questions in complete sentences.

1. What is work?

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1. Something will move when the amount of \_\_\_\_\_\_\_\_\_\_\_\_ needed, and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ something has to move are related.

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1. Look at the two weight lifters. Which one will work harder to move the weights above their head? Why?

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1. If you carry a box of books up one flight of stairs, and your brother carries the same box up two flights of stairs, who has done more work? Why?

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5. If you carry a box of books up one flight of stairs, and your brother carries a box of books that has half the weight up the same flight of stairs, who has done more work? Why?

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The following pictures are examples showing the relationship between distance and work. Answer the following questions.

6. Look at the picture. Circle the person is doing more work. Why?

 

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7. Look at the picture. Circle the person is doing more work. Why?

 

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8. Look at the picture. Circle the person is doing more work. Why?

 

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9. Look at the picture. Circle the person is doing more work. Why?

 

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10. Can you come up with 2 examples showing how there is a relationship between work and distance?

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