

Name:

Date:

Class:

## Power Drag Introduction Sheet **Answer Key**

**Instruction:** Watch the video using the following link and then answer the following questions.  
<https://www.youtube.com/watch?v=ZgCMR7PjZRU>

1. What are the two things that must happen for work to be done on the object?  
**There should be a force applied and the object must move.**
2. What is the formula/equation for work? \_\_\_\_\_  **$W = F \cdot d$**  \_\_\_\_\_
3. What is the unit of work? \_\_\_\_\_ **Joules (J)** \_\_\_\_\_
4. How is power defined in physics?  
**Rate of doing work or how fast the work is done.**
5. What is the formula/equation for power? \_\_\_\_\_  **$P = W/t$**  \_\_\_\_\_
6. What is the unit for power? \_\_\_\_\_ **Watts (W)** \_\_\_\_\_
7. What are two ways to increase power?  
**Increase the work done or decrease the time the work is applied.**