

Work / Power / Simple Machines  
Review Sheet

Name: \_\_\_\_\_

1. What is the definition of work?
2. List two ways that a force can be applied to an object, but no work is done.
3. Is it possible for a motor with a low horsepower rating to lift heavy loads?
4. Why do people like cars that have motors with high horsepower?
5. Explain how a smaller athlete like Brian Urlacher (260 pounds) can generate more horsepower than a larger athlete like Keith Traylor (350 pounds) Even though Keith Traylor is much stronger.
6. What do simple machines do for you?
7. How does the force input of a simple machine usually compare to the force output?
8. In the real world it is always more work to use a machine than to not use it. Why is this true? (or is this really a trick question!?)
9. What is the difference between TMA and AMA?
10. What is it about simple machines that causes the input force to decrease when you use them?