

Investigation Review

What Are Work And Friction?

Name _____ Date _____

1. Look at the two pictures below. Write *W* on the line below the picture that shows work being done. Write *N* below the picture showing no work being done.



2. Use the words from the box to complete the sentences.

Joule less Newton resistance work

- a. Gravity and friction are _____ forces.
- b. _____ = force \times distance
- c. A unit for measuring force is named in honor of Isaac _____.
- d. If you move an object over a short distance, you do _____ work than if you move the same object over a long distance.
- e. The _____ is a unit for measuring work.

Process Skills

Making a Hypothesis

Suppose you are watching some children on a slide in the playground. Some of them sit on sheets of waxed paper, and some do not. The children who don't use waxed paper go down the slide more slowly than those who do. Make a hypothesis to explain why. Write your answer on a separate sheet of paper.