

Work and machines



Date Name Class When teeth are used for biting food, The diagram below shows a wheel and axle. What two pieces of information are necessary the sharp edge of a tooth serves as to calculate the mechanical advantage of this simple machine? wedge length of the axle and width of the wheel length of the axle and weight of the wheel radius of the axle and wheel and axle thickness of the whe inclined plane radius of both the wheel axle 3 In the diagram of the wheel and axle, the How could the mechanical output radius of the wheel is 9 cm and the radius advantage of the wheel and axle shown below be increased? of the axle is 3 cm, the mechanical 5 **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 of work done by the system is _ machine is an example of a efficiency = $\frac{\text{work output } x 100}{\text{ }}$ A divided machine work input useless machine 100 foules simple machine 200 joules D compound 75 joules machine 50 joules How does lubrication of a sewing What two simple machine improve its efficiency? is this man using? A lubrication reduces momentum A pulley and lever B lubrication decreases the B wheel and axle amount of friction and lever C lubrication decreases the C inclined plane amount of work output and lever D lubrication increases the wedge and lever amount of work input



Work and machines



Name Class The diagram below shows a wheel and axle. When teeth are used for biting food, What two pieces of information are necessary the sharp edge of a tooth serves as to calculate the mechanical advantage of this simple machine? wedge D length of the axle and width of the wheel В length of the axle and weight of the wheel screw radius of the axle and wheel and axle thickness of the who inclined plane radius of both the wheel axle 3 In the diagram of the wheel and axle, the How could the mechanical output radius of the wheel is 9 cm and the radius advantage of the wheel and axle shown below be increased? of the axle is 3 cm, the mechanical 5 (C)**PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 of work done by the system is machine is an example of a efficiency = $\frac{\text{work output } x 100}{\text{ }}$ D A divided machine work input useless machine 100 foules simple machine 200 joules D compound 75 joules machine 50 joules 9 How does lubrication of a sewing What two simple machine improve its efficiency? is this man using? A lubrication reduces momentum A pulley and lever B lubrication decreases the B) (B) B wheel and axle amount of friction and lever C lubrication decreases the C inclined plane amount of work output and lever D lubrication increases the wedge and lever amount of work input