

For this unit we will be having two quizzes. The first quiz will only deal with pulleys. Our second quiz will cover gears. When we get to the end of the unit we will review both. We will write our pulleys quiz on _____. The things to study for your pulleys quiz are listed below:

- ⦿ A pulley is a wheel with a groove in it, and a rope or chain passes over the pulley.
- ⦿ There are two main types of pulleys; a fixed pulley and a moveable pulley. *Be able to recognize them.
- ⦿ A fixed pulley does not make it easier to lift a load, but it does change the direction of the force.
- ⦿ A moveable pulley makes it easier to lift the load (you only need half the force), but it does not change the direction of the force.
- ⦿ When pulleys are combined we call them a pulley system.
- ⦿ Pulleys are used to:
 - Change the direction of a force.
 - Make it easier to lift something.
- ⦿ The thing that is lifted by a pulley is called a load.
- ⦿ The force used to lift the load is called the effort.
- ⦿ Mechanical advantage tells how much easier the system makes it to lift the load.
- ⦿ A flagpole or a crane are examples of things that use pulleys.