Name:

Levers Simple Machines



Levers are used to help lift heavy objects

	Lever: a simple machine that is used to change the direction of force needed to move an object over a fulcrum (pivot point)		
	► The different kinds of levers depend on where the fulcrum is located They work by using a strong beam that pivots at a point called the fulcrum The beam spreads the weight of the object across a longer distance The fulcrum is where the beam pivots, creating leverage , making it easier to lift objects on		
Draw a diagram of a lever : label the beam and fulcrum			
	ume 3 levers you might see in everyday life: 1		
	This allows you to lift the object up with more strength because you can get all of your weight behind it!		
The longer the beam, the greater the mechanical advantage! Types of Levers			
	 First Class Lever: the fulcrum is located in between the effort and load Second Class Lever: the load is located in between the effort and fulcrum Third Class Lever: the effort is located in between the fulcrum and load 		
Dr	aw diagrams of the 3 classes of levers: label the fulcrum, load, and effort		
	Build your own levers !		

Draw diagrams of all the different types of levers you and your group can create with the lever kits:

- Label all the parts with the correct vocabulary!
- See how much weight each can lift!
- ► What functions could they serve?