

use gases to do this. Mechanical systems that use gases to do work are called **pneumatic systems**. Although pneumatic machines can create a lot of force, engineers often use hydraulics instead because it creates an even greater amount of force. Also, engineers are able to be more exact with force they are creating when using liquids.

Look at the image below. When the syringe is pressed down, the water is forced through the tube and end up lifting the car on the other end of the tube. Notice how the top of the syringe is so narrow and the platform the toy is on is wide. Hydraulics allows the force to be transferred from a narrow end of a syringe through the water to a wide platform under a car.

