

Name: _____

Date: _____

Wheels & Levers

How Can Force be Used to Move a Vehicle?



Observe: What is Forcing that Vehicle or Device?

Question

What are the various forces that make vehicles and devices move?

Resources

Access the website links from the online course.

- Brain Pop Videos:
 - Force (website)
 - Gravity (website)
 - Cars (website)
- *Common Types of Vehicle and Device Forces Table*
- Google Drawing Doc (website)



BrainPop Login Information

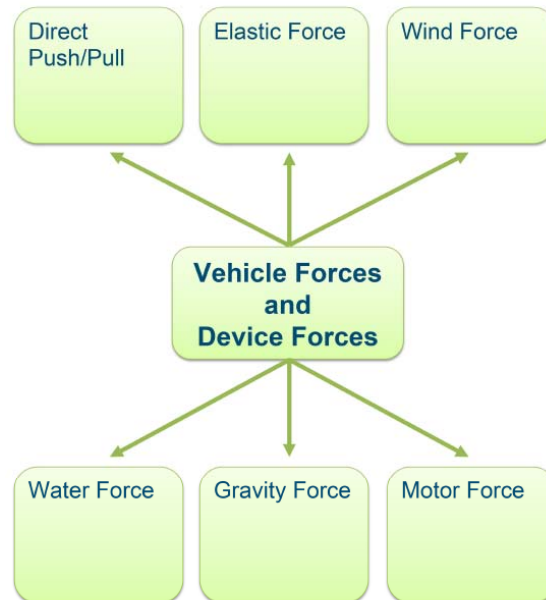
- Username: 0099
- Password: students

Instructions

- 1 Watch the BrainPop Video: **Force** (Refer to the login information above). Listen carefully to the information on what force is and how it works.
- 2 Watch the BrainPop Video: **Gravity** (Refer to the login information above). Listen carefully to the information on how gravity makes things move.
- 3 Watch the BrainPop Video: **Cars** (Refer to the login information above). Listen carefully to the information about how cars work.

- 4 Use a **Google Drawing Doc** to construct a **Graphic Organizer** that groups and organizes all the types of vehicle forces and device forces. Use the ***Common Types of Vehicle and Device Forces Table*** in the introduction to this activity if you need assistance. Leave some empty space on your organizer near each type of vehicle force because you are going to add more to your organizer in the next step.

Your **Graphic Organizer** can be done in any way you want, but it might look like this:



- 5 For each vehicle force and device force in your **Graphic Organizer**, add two examples of vehicles or devices that use that force.
- 6 If you are having trouble thinking of vehicle and device examples to add for each of the forces, try searching the Internet. A good way to find vehicle and device examples is to search for " -powered vehicle" or " -powered device". For example, if you were searching for examples for wind force, you might try the Internet search "*wind-powered vehicle*" or "*wind-powered device*".



Skill Builder

How to construct a Graphic Organizer in Google Docs.

How to search on the Internet.

If you need to use this Skill Builder, access it from the online course.