

WebQuest: Types of Forces

Use link on class website under October calendar OR
<http://www.darvill.clara.net/enforcemot/forces.htm> to answer questions.

A. **Forces tab:** Make sure you have clicked on the forces tab at the right of the screen for the following questions.

1. **Forces** are measured in **Newtons (N)**. Why are forces considered to be **vectors**?
2. List three things that can change a force?
3. Explain the force of **gravity**. (Is it weak or strong? Which direction does act on objects?)
4. What is **weight**?
5. What is the Earth's gravitational strength at ground level?
6. Explain what a **balanced force** and an **unbalanced force**.
7. Observe the parachute picture and answer the questions below:
 - What forces are acting?
 - What can you say about the **size** of the forces?
8. The **resultant force** is also called the **net force**. Explain resultant force.

B. **Friction tab:** Click on the friction tab on the left and answer the questions below

1. What is friction? and What are the two main types of friction?
3. What does friction depend upon?

Watch and read the animation about fiction!!

4. What is fluid friction?
5. What does fluid friction depend upon?
6. What is drag?
7. What is a viscous liquid?
8. What is terminal velocity?

Click on the terminal velocity graph to watch what happens to the graph when the sky diver descends

9. List 3 to 5 ways to reduce friction.
10. List 3 to 5 ways to use friction to your advantage.

**Staple these questions to
your answers.**