**Forces and Motion**

1. **Go to the following website:** [**http://www.bbc.co.uk/schools/scienceclips/ages/8\_9/friction\_fs.shtml**](http://www.bbc.co.uk/schools/scienceclips/ages/8_9/friction_fs.shtml)
2. **Complete the activity.** Read over the directions in the top box and click on the blue arrow to go to the next set of directions or back to the previous directions. You will be completing trials to see how far the car travels depending on how far you pull back the lever and what kind of track surface it is on. Repeat the activity by pulling the handle to the yellow and red lights for each of the different track surfaces. Once you have completed the trials, complete the quiz. Make sure you complete the trials first before doing the quiz. You need to score 8/10 or higher on the quiz or you will need to complete it.

**Record your quiz score \_\_\_\_\_\_\_\_\_\_\_\_\_**

**List three things you learned about friction from this activity (Use complete sentences)**

1.

2.

3.

 **B. Go to the following website:** [**http://www.bbc.co.uk/schools/scienceclips/ages/10\_11/forces\_action\_fs.shtml**](http://www.bbc.co.uk/schools/scienceclips/ages/10_11/forces_action_fs.shtml)

1. You will complete the activity. Read over the directions in the top box and click on the blue arrow to go to the next set of directions or back to the previous directions. When it ask you to click and drag the items, make sure you hit the reset button after each. Do not hit reset on your table or it will clear your results. After you finish the activity, make sure to record your results onto your table below.

|  |  |  |  |
| --- | --- | --- | --- |
| **With slope 1** | No weight | Small weight | Big weight |
| No parachute |  |  |  |
| Small parachute |  |  |  |
| Big parachute |  |  |  |
| **With slope 2** | No weight | Small weight | Big weight |
| No parachute |  |  |  |
| Small parachute |  |  |  |
| Big parachute |  |  |  |

**Record your quiz score \_\_\_\_\_\_\_\_\_\_\_\_\_**

**List three things you learned about friction from this activity (Use complete sentences)**

1.

2.

3.