



Name: \_\_\_\_\_

### **Lunch Bag Design Challenge**

Mrs. Pinsent's lost her favourite purple lunch bag, and all she can find are brown paper lunch bags. The problem is, they're not strong enough to carry her lunch to school. Using the materials provided, can you turn a brown paper bag into a lunch bag that can hold Mrs. Pinsent's lunch?

Your lunch bag needs to be sturdy enough to hold the following:  
1 full smoothie bottle, 1 full water bottle, a banana, and 1 glass container of leftovers. (These items are available for testing purposes)  
Mrs. Pinsent would love it if the bag could have handles.

Take a minute now to examine your materials and make a plan as to how you will use them to strengthen your paper bag. Draw a diagram for your plan, be sure to use labels.

### **My Plan**

A large, empty rounded rectangular box with a black border, intended for the student to draw a diagram of their plan to strengthen the lunch bag.