**LAB #1: Strong Straws**

Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_

**Materials**:

 10 Straws

 15cm of Masking Tape

**Objective**:

 To design a straw structure that will support a full cup of water at least 8cm off the ground

**Procedure**:

 Plan/design

 Build

 Test!

**Review**:

1a) What ‘type’ of structure did you build? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2) Why/How did your structure fail? Explain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3) Describe, using a diagram, how you could strengthen or stabilize your structure.

4) How efficient was your structure? Circle one.

0=not efficient 1=somewhat efficient 2=efficient 3=very efficient 4=extremely efficient