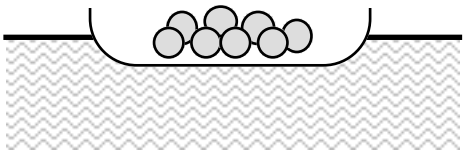
**LIVERPOOL PHYSICS OLYMPICS**

2002



# *Sink Or Swim*

***Aim*** To construct and test a floating barge to carry the maximum possible weight.

***Materials***

| | |
|---|---|
| 2 sheets of A4 acetate | 2 m sticky tape |
| 2 sheets of A4 paper | 50 staples |
| Weights | 8 straws |

***Method*** Construct a barge and then place weights on it.

***Conditions***

- The barge must be constructed using only the materials provided.
- To claim a weight, the barge must have supported the weight for at least 20 seconds.
- The edges of the tank cannot be used to support the barge.

***Time limit*** 25 minutes.

***Ranking*** The ranking order will be determined by the maximum weight supported.

***Team*** _____ ***Result*** _____

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Do not write below line

***Rank*** _____