

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Overall mark

# Shipwreck!

Question: Will a ship sink faster if you increase the amount of salt dissolved in the water?

Your prediction:

## Section 1 - Planning

1. What will be the independent variable? (What will you change?)

What will be the dependent variable? (What will you measure?)

What are the control variables?

(What will you keep the same to make it a fair test?)

2. Describe how you will carry out the experiment.

(Name the key equipment you will use and talk about how you will measure your results)

## Section 2 - Results

3. Record your results in a table.

Spoonfuls of salt	Time 1 (secs)	Time 2 (secs)	Time 3 (secs)	Average Time (secs)

4. Draw a graph of your results.

Remember to label your axes and include the correct units.



### **Section 3- Conclusions**

5. What happened to the time it took for the ship to sink as you increased the amount of salt dissolved in the water?

6. How could the experiment be improved to get better or more reliable results?



