



**Grades
6-8**

Golf Ball Float

Student Activity Workbook

Name: _____

Date: _____

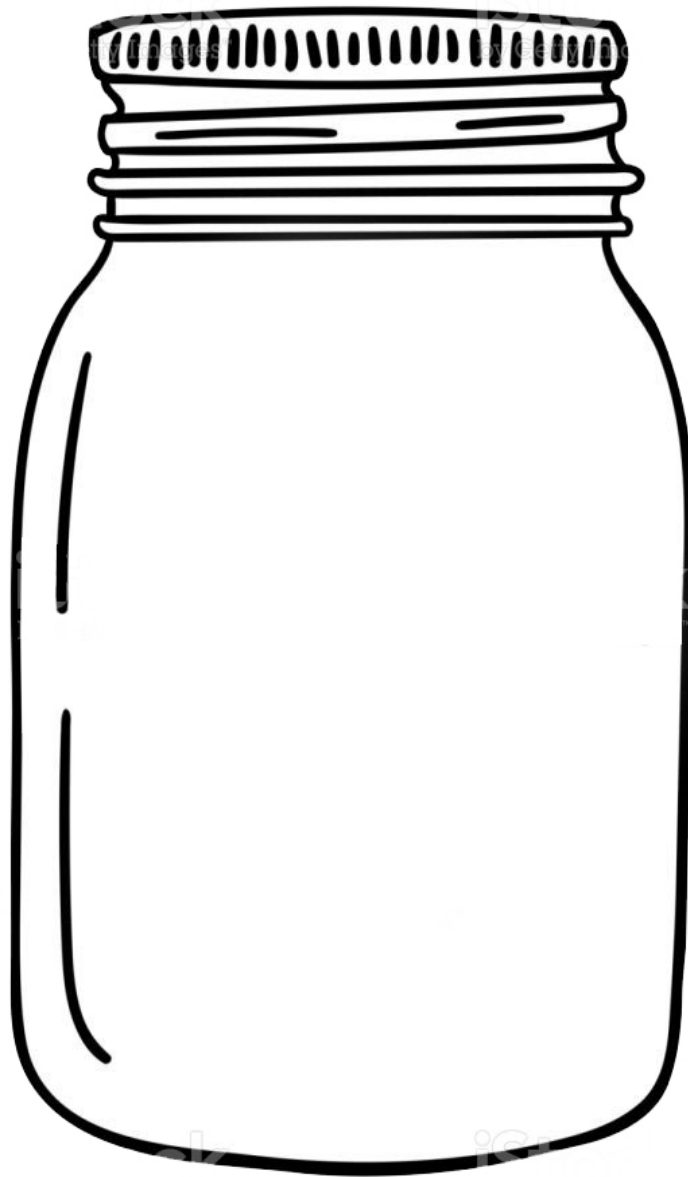


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Golf Ball Float!

After completing the golf ball float challenge and gaining understanding of what is going on in this system, explain your ideas by sketching an explanatory model and making predictions as to how this system might change over time.

- I** What is going on in the golf ball float system? Sketch a visual model of the system and then use labels and/or symbols to demonstrate your understanding of what is happening.



- 2** Find the densities for the clear fluid, the blue fluid as well as the golf ball using the formula:

Density = Mass/Volume

Clear Fluid: _____g ÷ _____ml= _____g/ml

Blue Fluid: _____g ÷ _____ml= _____g/ml

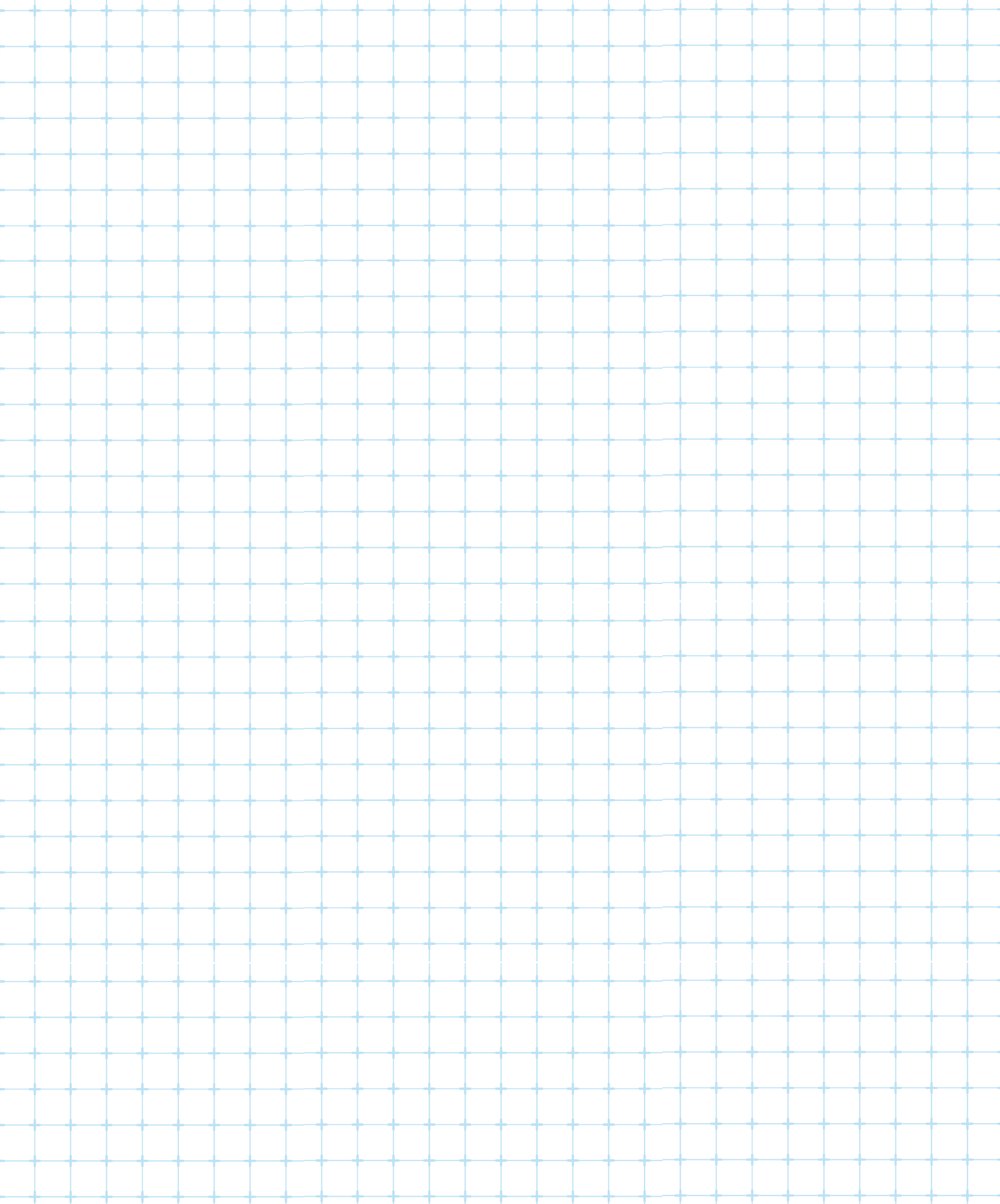
Golf Ball: _____g ÷ _____ml= _____g/ml

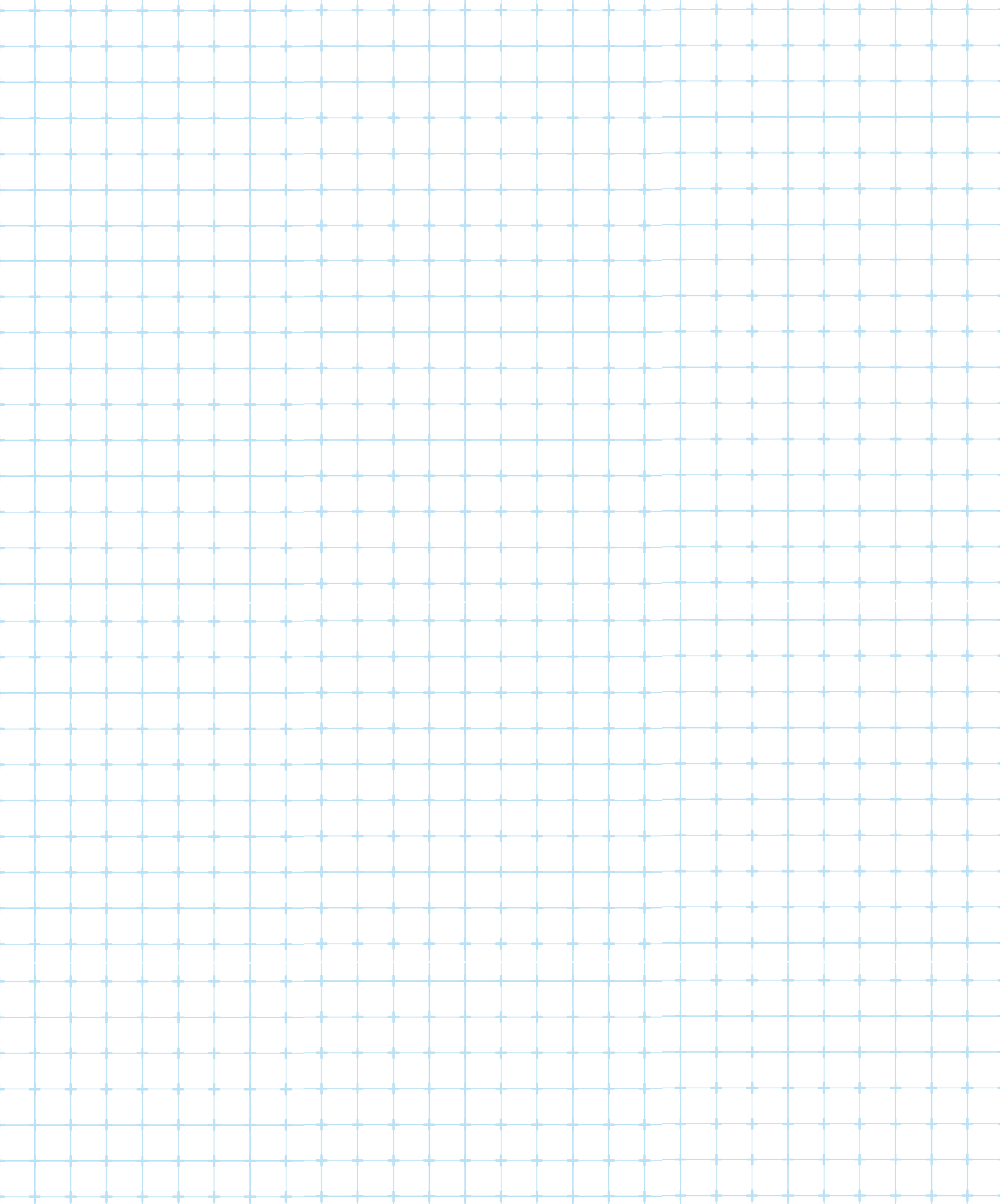
- 3 What would happen if this system were allowed to sit, undisturbed for a few months? How would it change over time? Write a paragraph and draw a model explaining how you think the system would change and why.

Write



Draw





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Golf Ball Float Engineering Notebook



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