# *Go with the Flow!*

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_**

**Objective: To demonstrate how temperature and salinity affect the flow of an object within a current.**

**Procedure: Students will complete Part 1 by playing the *“Go With the Flow”* activity from the link below. Then, complete Part 2 of this worksheet with the information from the site.**

<http://spaceplace.nasa.gov/ocean-currents/en/>

**Part #1:*“Go with the flow*"** means "Relax! Let the current of life's river carry you along." But, in life that is not always the best way to get where you want to go. In this game, you **"Go with the Flow"** only after you have fixed the currents to take you where you want to go. Where do you want to go? You want to get the KEY to the treasure chest full of GOLD, of course!

Remember just two rules:

* **Salt makes water heavier, so it sinks.**
* **Heat makes water lighter, so it rises.**

***Play Go With the Flow***

When you successfully finish a level, check the box below before you proceed to the next level.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Puzzle 1** | **Puzzle 2** | **Puzzle 3** | **Puzzle 4** | **Puzzle 5** | **Puzzle 6** | **Puzzle 7** | **Puzzle 8** |
|  |  |  |  |  |  |  |  |