Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Buoyancy…does it sink or float?

 Test each object and then place a check mark under the correct column to indicate if the object sinks, floats, or is in the middle.

|  |  |  |  |
| --- | --- | --- | --- |
| **Object** | **Sink****(negative buoyancy)** | **Float****(positive buoyancy)** | **In the middle****(neutral buoyancy)** |
| Empty canister with top on |  |  |  |
| Canister filled with water |  |  |  |
| Canister half filled with water |  |  |  |
| Canister with cotton ball |  |  |  |
| Canister with beans |  |  |  |
| Beans |  |  |  |
| Canister with pebbles |  |  |  |
| Wood block |  |  |  |
| Styrofoam ball |  |  |  |
| Rock |  |  |  |

Bonus! Try to construct your own boat using a notecard and tape that floats. Next, make it sink.

Why do you think that some objects sink and others float? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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