

**A. What is a buoyant force?**

1. A(n) \_\_\_\_\_ is an upward force applied by a fluid on an object in the fluid.

a. The upward buoyant force on an object is balanced by the force of \_\_\_\_\_.

b. When the buoyant force on an object in a fluid is equal to the total \_\_\_\_\_ of the object, the object will \_\_\_\_\_.