



Name: Form:

Based on pages 16 and 17 of *Forces in action*

Investigating weight in air and water

Try this...

1. Select eight objects.
2. Write down the names of the objects in the first column of the table.

Object	Weight in air (N)	Weight in water (N)

3. Weigh the first object in air and record its weight in the second column of the table.
4. Weigh the first object in water and record its weight in the third column of the table.
5. Repeat steps 3 and 4 with the seven remaining objects.

Looking at the results.

6. What do the results show?



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7. On the back of this sheet, draw one of the objects being weighed in water.
8. As the object is sinking, which is bigger – the weight force or the upward resisting force of the water? On your drawing, add one arrow to show the weight force and another arrow to show the force of the water (the biggest force should have a bigger arrow).