Task1. Write down the discoveries made with the experiences of the orange and the candle. You have to fill in the gaps with the following words:

<u>Not</u> all the words have to be used; nor all the gaps have to be filled with these words.

water – introduce - displaced water – container - orange - rise - water level - floats

1) When the is introduced in the graduated cylinder with, the orangeand the water level	
2) The original water level was and the final water level is, so the has risenml.	
3) The orange has moved some quantity of This water is called the 	
4) The candle has moved more quantity of because it is bigger than the orange.	

On the right, make a drawing to show each discovery mentioned.

Task 2. Match the words around the drawing with its corresponding image.

	When a <u>body</u> is <u>immersed</u> in a <u>fluid</u> , it experiences an <u>upward</u>
Archimedes' principle buoyant force equal to the weight	buoyant force equal to the weight of the displaced fluid.



Task 3. Convert the Archimedes' principle into the physical formula.



Task 4. Check the units!