## Archimedes' principle

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:

Not all the words have to be used; nor all the gaps have to be filled with these words.

$$
\begin{gathered}
\text { water - introduce - displaced water - } \\
\text { container - orange - rise - water level - floats }
\end{gathered}
$$



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

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

| Archimedes' principle | When a body is immersed in a fluid, it experiences an upward |
| :--- | :--- |
| 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!

