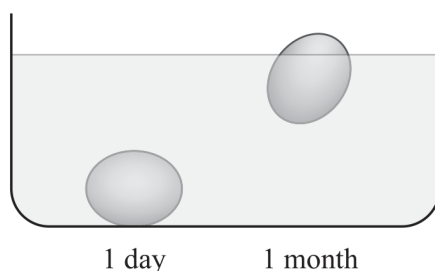
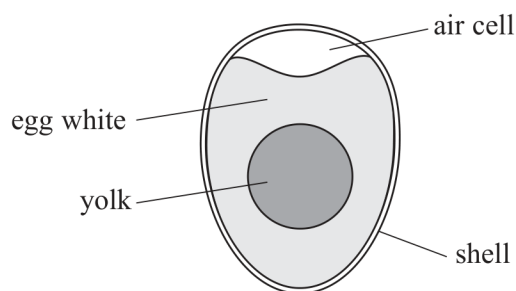


- \*14 The approximate age of an egg can be determined by placing it in a bowl of water. Two eggs of different ages are placed in water and come to rest as shown.



The internal structure of an egg is shown below.



A student searched on the internet to find the reason why old eggs float.

He found the following statements on different websites.

Statement 1

Old eggs float because as the egg ages it starts to decompose. As it decomposes gases are produced that escape through the eggshell.

Statement 2

As the egg ages, air enters the egg through the eggshell and increases the size of the air cell. The larger air cell acts as a flotation device and hence old eggs float.



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## 5 AREA