

t h e

g r e a t

b u b b l e

c h a s e

Push a plunger at different speeds to make bubbles of different sizes.

- Try making several bubbles at once.
- Can big bubbles catch up to small bubbles?
- Can small bubbles catch up to big bubbles?

Why do **big** bubbles rise faster than **little** ones?

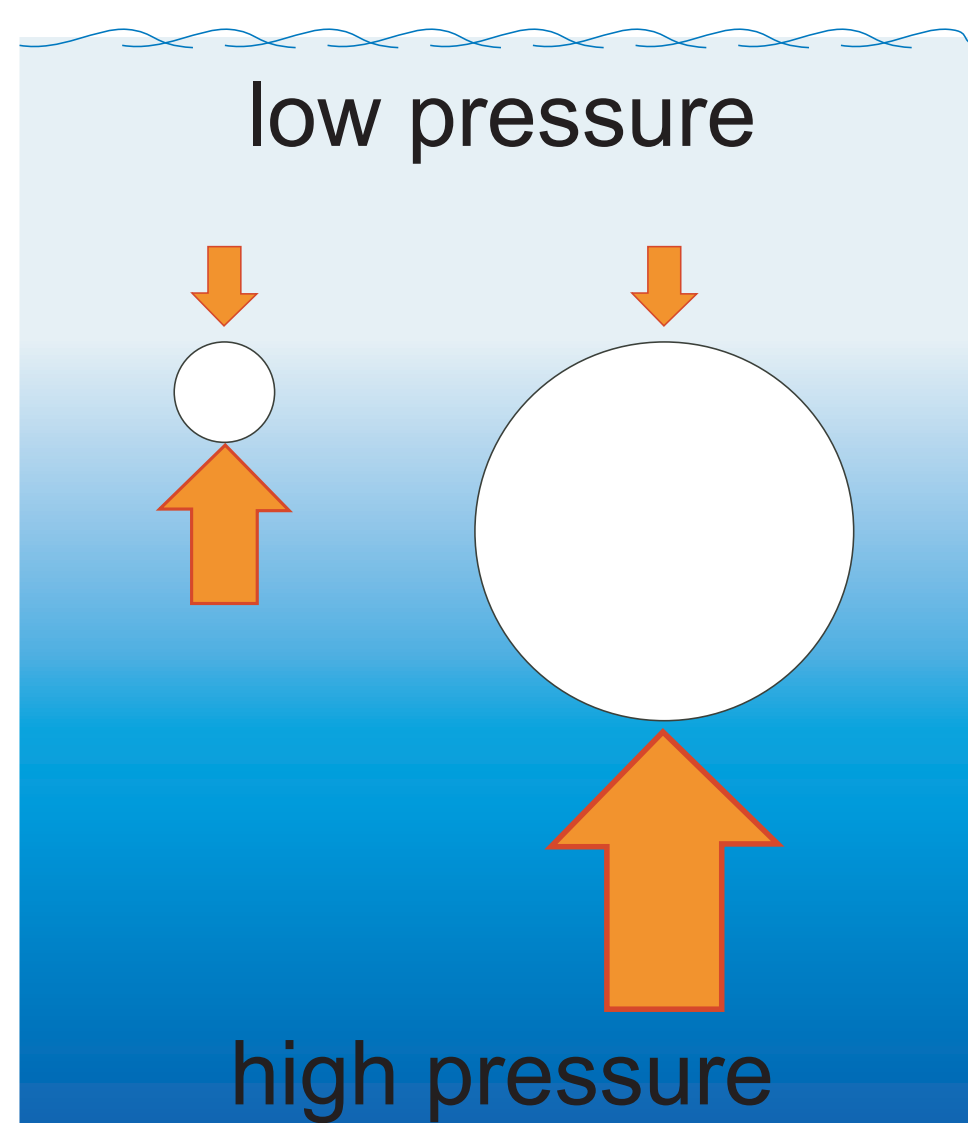


lift to find out



## Why bigger bubbles rise faster:

- Pressure is high in deep liquid and low in shallow liquid
- A bubble rises because there is more pressure on its bottom than on its top
- A bigger bubble gets a bigger push because there's a greater difference in pressure between its bottom and its top.



Arrows (↑) show direction and amount of pressure