

0	Three tubs are brimful with ice-cold water. Each has an iceberg floating in it. In tub A, the berg has a large air bubble. In tub W, the berg has some unfrozen water inside it. In tub M, the berg has a heavy metal rod inside it. What happens to the water level in each of the three tubs when the icebergs melt?
	<div>M gets lower, W and A stay the same to a good approximation</div> <div>M probably gets lower, W probably stays the same, it's unclear what happens to A</div>

3	In the case of a solid icecube floating in a glass of water, does the water level change perceptibly when the icecube melts?
50%	No

4	Conditioning on the better answer to 3 being 'No', is the better answer to 0 that M probably gets lower, W probably stays the same, and it's unclear what happens to A?
No	Yes

6	Would a change in more than 1 part in 1000 be perceptible in the solid icecube in glass example?
50%	Yes

7	Conditioning on this and on the answer to 3 being 'No', does this show that our accounting for the buoyancy in air of the iceberg is incorrect?
50%	Yes

5	If our accounting for the buoyancy in air of the iceberg is incorrect, is the better answer that M probably gets lower, W probably stays the same, and it's unclear what happens to A?
Probably	Yes

8	Is the smallest distance humans can perceive less than 1/10 mm?
50%	Yes

9	Is there anything weird going on with meniscus etc that would make the slight difference in height of the water more difficult to perceive?
25%	No

10	Given the above questions, would a change of 1 part in 1000 be perceptible in a normal glass of water?
75%	Yes

11	Given the assumptions here, is our accounting for the buoyancy in air of the iceberg incorrect if it predicts that the water level will change by more than 1 part in 1000 in the [solid berg] case?
Yes	Yes

12	Does the volume decrease by more than 15% when the ice melts?
50%	Yes

13	Given this, does our accounting for the buoyancy in air of the iceberg predict that the water level will change by more than 1 part in 1000 in the [solid berg] case?
50%	Yes