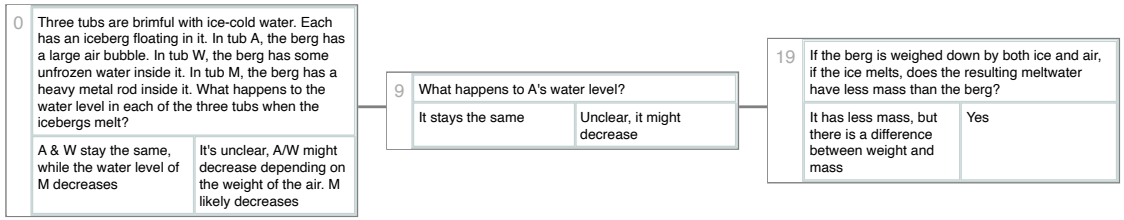
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Three tubs are brimful with ice-cold water. Each has an iceberg floating in it. In tub A, the berg has a large air bubble. In tub W, the berg has some unfrozen water inside it. In tub M, the berg has a heavy metal rod inside it. What happens to the water level in each of the three tubs when the icebergs melt?
A & W stay the same, while the water level of M decreases
It's unclear, A/W might decrease depending on the weight of the air. M likely decreases
9
What happens to A's water level?
It stays the same
Unclear, it might decrease
19
If the berg is weighed down by both ice and air, if the ice melts, does the resulting meltwater have less mass than the berg?
It has less mass, but there is a difference between weight and mass
Yes