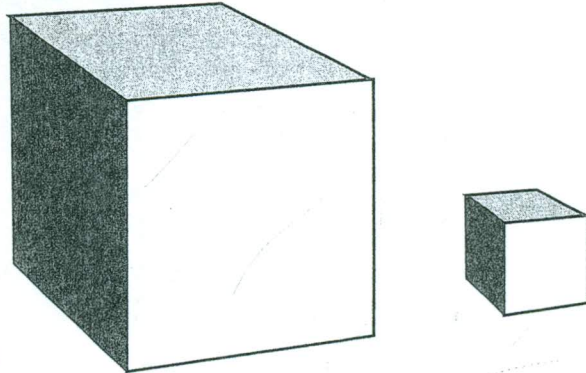


Comparing Cubes

Sofia has two solid cubes made of the same material. One cube is very large, and the other cube is very small. Put an X next to all the statements you think are true about the two cubes.



- A** The larger cube has more mass than the smaller cube.
- B** The larger cube has less mass than the smaller cube.
- C** The larger cube melts at a higher temperature than the smaller cube.
- D** The larger cube melts at a lower temperature than the smaller cube.
- E** The density of the larger cube is greater than the smaller cube.
- F** The density of the larger cube is less than the smaller cube.
- G** The larger cube is more likely to float in water than the smaller cube.
- H** The larger cube is more likely to sink in water than the smaller cube.
- I** The larger cube is made up of larger atoms than the smaller cube.
- J** The larger cube is made up of smaller atoms than the smaller cube.

Explain your thinking. Describe the "rule" or reasoning you used to compare the cubes.
