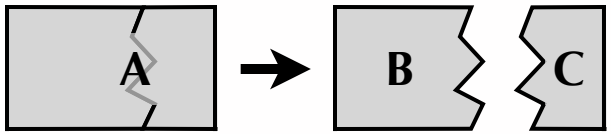
Quiz #11

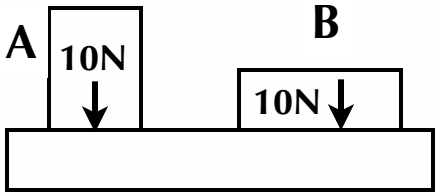
1. A block is cut into two pieces, one larger than the other. Which block has the largest density?

A) the original block B) piece B C) piece C
D) all have the same density

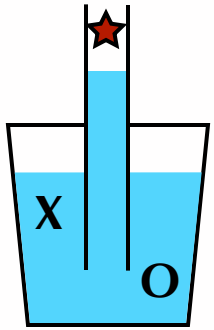


2. Both blocks exert a 10N force on the table. Which exerts the greater pressure on the table?

A) block A B) block B C) both the same



The following two questions refer to the same figure of a cup and a straw.



3. The pressure inside the straw (at the star) is ___ atmospheric pressure.

A) greater than B) equal to C) less than

4. The pressure at point X is ___ the pressure at point O.

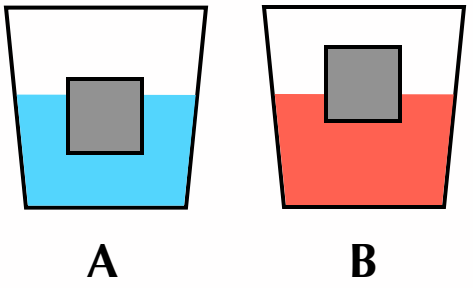
A) greater than B) equal to C) less than

5. Water has a density of 1000 kg/m^3. An object sinks in water if its density is ____1000 kg/m.

A) greater than B) equal to C) less than

6. The figure shows identical objects floating in two different fluids. Which fluid has the higher density?

A) A B) B C) both are the same



DACCAB

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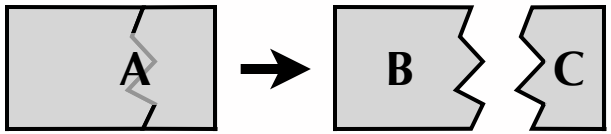

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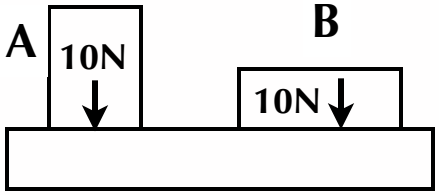

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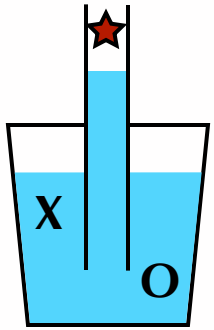

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