

**9** A metal block is suspended by a spring balance and is fully submerged in a liquid. When the liquid is replaced with a less dense fluid, the reading on the spring balance

- A** increases because upthrust decreases.
- B** increases because the object displaces less fluid.
- C** remains the same because the volume of the block is unchanged.
- D** decreases because upthrust increases.

**10** The figure below represents the various forces acting on a car moving towards the right. The