

NO:	AVOGADRO CONSTANT-SET-1
1	<p>Benzene is a liquid with molecular formula C_6H_6.</p> <p>Ethene is a gas with molecular formula C_2H_4.</p> <p>Which statement is correct?</p> <p>A 1 mole of benzene and 1 mole of ethene contain the same number of atoms.</p> <p>B 1 mole of benzene and 1 mole of ethene both have a volume of 24 dm^3 at room temperature and pressure.</p> <p>C Both benzene and ethene have the same empirical formula.</p> <p>D The number of carbon atoms in 0.5 moles of ethene is equal to the Avogadro constant.</p>
2	<p>Which gas sample contains the smallest number of molecules?</p> <p>A 4 g of helium</p> <p>B 16 g of oxygen</p> <p>C 28 g of carbon monoxide</p> <p>D 28 g of nitrogen</p>

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