

## What is the molecular mass of H<sub>2</sub>O?

A. 39 g/mol

B. 29 g/mol

**C. 18 g/mol**

D. 09 g/mol



Chemistry MCQs by CSS MCQs

### Calculation of Molecular Mass of H<sub>2</sub>O

Water has (H<sub>2</sub>O) has 2 elements i.e H and O

We know that

Mass of 1 mole of Hydrogen atoms = 1 g/mol

Mass of 1 mole of Oxygen atoms = 16 g/mol

As there are two Hydrogen

So, Mass of two moles of Hydrogen atoms = 2 x 1 g/mol = 2 g/mol.

Mass of one mole of Oxygen atoms = 1 x 16 g/mol

**By adding the molar masses of all the elements,**



What is the molar mass of water (H<sub>2</sub>O)?

**Mass of one mole of water = 2 g/mol + 16 g/mol = 18 g/mol.**

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