

## Example AMU Calculation:

Air is mostly nitrogen. Nitrogen generally lives paired with another nitrogen in the form:  $N_2$ . (Eg., it is a diatomic molecule.)

Nitrogen has AMU of 14 (it's 7 protons and 7 neutrons), therefore,  $N_2$  has an AMU of  $2 \times 14 = 28$  AMU.

Water is  $H_2O$ . That is 2 Hydrogens, and 1 Oxygen. The AMU is  $2 \times 1 + 1 \times 16 = 18$  AMU.

Hint: Methane is  $CH_4$ .